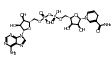
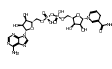
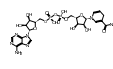
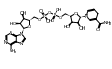
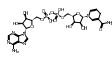
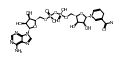
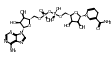
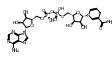
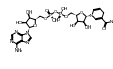
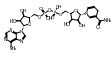
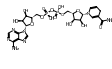
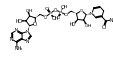
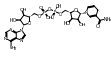
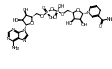
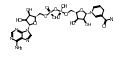
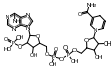
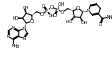
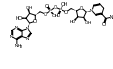
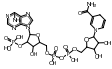
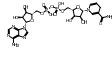
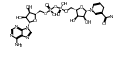
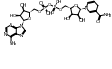
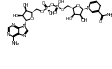
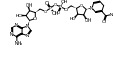
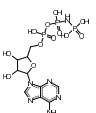
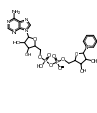
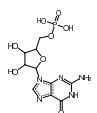
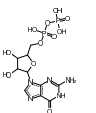
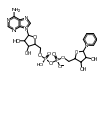
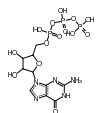
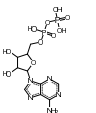
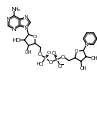
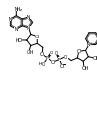
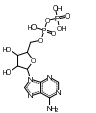
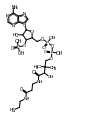
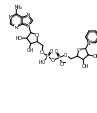
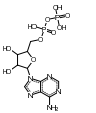
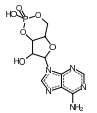
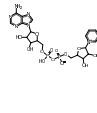
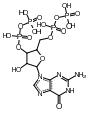
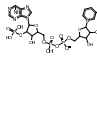
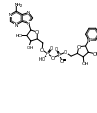
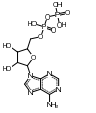
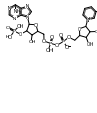
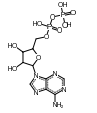
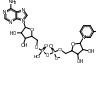
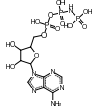
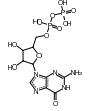
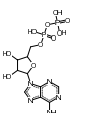
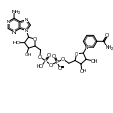
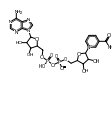
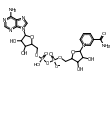
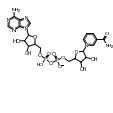
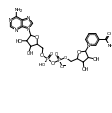
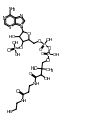
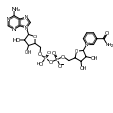
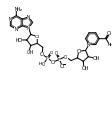
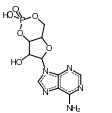
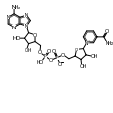
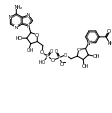
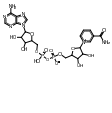
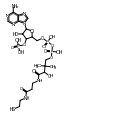
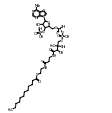
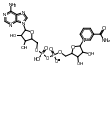
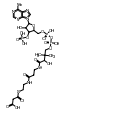
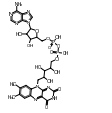
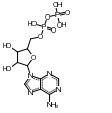
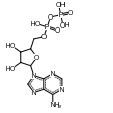
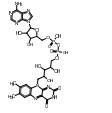
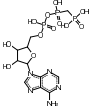
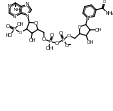
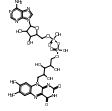


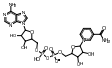
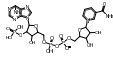
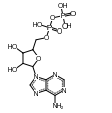
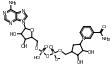
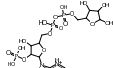
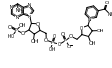
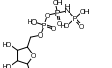
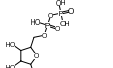
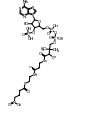
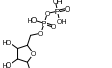
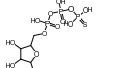
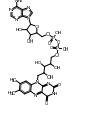
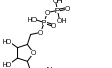
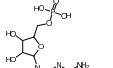
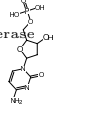
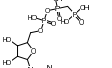
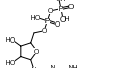
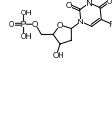
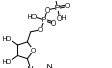
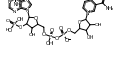
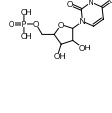
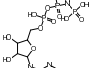
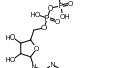
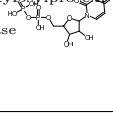
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| 6477 | Target 5324 029370_ARCFU Hypothetical protein | DB03913 Coenzyme F42 0.. | 6485 | Target 4198 F16P1_HUMAN Fructose-1,6-bisphosphatase 1 | DB00131 Adenosine monophos.. | 6493 | Target 729 FCL_HUMAN GDP-L-fucose synthetase | DB00157 NADH |
| 6478 | Target 5467 093734_9EURY F420-dependent alcohol dehydrogenase | DB03913 Coenzyme F42 0.. | 6486 | Target 849 ACK1_HUMAN Activated CDC42 kinase 1 | DB00171 Adenosine triphosph.. | 6494 | Target 635 DHBS_HUMAN Estradiol 17-beta-dehydrogenase 8 | DB00157 NADH |
| 6479 | Target 5104 ACOX1_RAT Acyl-coenzyme A oxidase 1, peroxisomal | DB03147 Flavin-Adenine Din.. | 6487 | Target 510 ACVL1_HUMAN Serine/threonine-protein kinase receptor precursor | DB00171 Adenosine triphosph.. | 6495 | Target 646 MDHC_HUMAN Malate dehydrogenase, cytoplasmic | DB00157 NADH |
| 6480 | Target 5079 PHR_ECOLI Deoxyribodipyrimidine photo-lyase | DB03147 Flavin-Adenine Din.. | 6488 | Target 292 ACVR1_HUMAN Activin receptor type-1 precursor | DB00171 Adenosine triphosph.. | 6496 | Target 110 ODPB_HUMAN Pyruvate dehydrogenase E1 component subunit beta, mitochondrial precursor | DB00157 NADH |
| 6481 | Target 3535 TYTR_CRIFA Trypanothione reductase | DB03147 Flavin-Adenine Din.. | 6489 | Target 486 AL2S7_HUMAN Serine/threonine-protein kinase ALS2CR7 | DB00171 Adenosine triphosph.. | 6497 | Target 180 SERA_HUMAN D-3-phosphoglycerate dehydrogenase | DB00157 NADH |
| 6482 | Target 5088 AIFM1_MOUSE Apoptosis-inducing factor 1, mitochondrial | DB03147 Flavin-Adenine Din.. | 6490 | Target 3725 FUCO_ECOLI Lactaldehyde reductase | DB02059 Adenosine-5-Diphos.. | 6498 | Target 597 DHPR_HUMAN Dihydropteridine reductase | DB00157 NADH |
| 6483 | Target 1329 AIFM1_HUMAN Apoptosis-inducing factor 1, mitochondrial precursor | DB03147 Flavin-Adenine Din.. | 6491 | Target 857 MDHM_HUMAN Malate dehydrogenase, mitochondrial precursor | DB00157 NADH | 6499 | Target 324 NDUB4_HUMAN NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4 | DB00157 NADH |
| 6484 | Target 2623 NPD1_ARCFU NAD-dependent deacetylase 1 | DB02059 Adenosine-5-Diphos.. | 6492 | Target 539 NDUV1_HUMAN NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial precursor | DB00157 NADH | 6500 | Target 628 ODPA_HUMAN Pyruvate dehydrogenase E1 component alpha subunit, somatic form, mitochondrial precursor | DB00157 NADH |

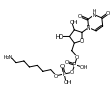
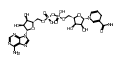
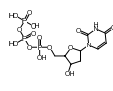
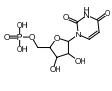
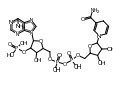
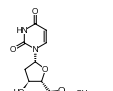
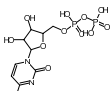
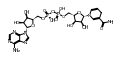
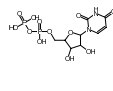
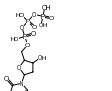
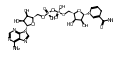
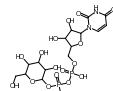
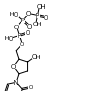
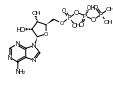
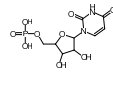
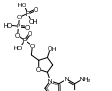
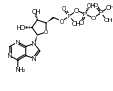
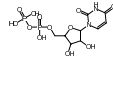
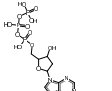
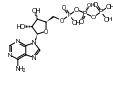
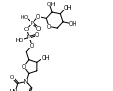
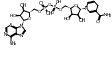
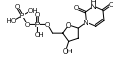
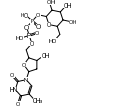
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| 6501 | Target 671 | DB00157 | 6509 | Target 139 | DB00157 | 6517 | Target 666 | DB00157 |
| | ODPAT_HUMAN | NADH | | AK1C1_HUMAN | NADH | | MAOX_HUMAN | NADH |
| Approved | Pyruvate dehydrogenase E1 component alpha subunit, testis-specific form, mitochondrial precursor |  | Approved | Aldo-keto reductase family 1 member C1 |  | Approved | NADP-dependent malic enzyme |  |
| 6502 | Target 335 | DB00157 | 6510 | Target 686 | DB00157 | 6518 | Target 363 | DB00157 |
| | NDUA9_HUMAN | NADH | | AK1C2_HUMAN | NADH | | MAON_HUMAN | NADH |
| Approved | NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial precursor |  | Approved | Aldo-keto reductase family 1 member C2 |  | Approved | NADP-dependent malic enzyme, mitochondrial precursor |  |
| 6503 | Target 609 | DB00157 | 6511 | Target 626 | DB00157 | 6519 | Target 468 | DB00157 |
| | PGDH_HUMAN | NADH | | CD01_HUMAN | NADH | | CP4AB_HUMAN | NADH |
| Approved | 15-hydroxyprostaglandin dehydrogenase [NAD+] |  | Approved | Cysteine dioxygenase type 1 |  | Approved | Cytochrome P450 4A11 precursor |  |
| 6504 | Target 602 | DB00157 | 6512 | Target 288 | DB00157 | 6520 | Target 57 | DB00157 |
| | ACPM_HUMAN | NADH | | ECHA_HUMAN | NADH | | 3BHS1_HUMAN | NADH |
| Approved | Acyl carrier protein, mitochondrial precursor |  | Approved | Trifunctional enzyme subunit alpha, mitochondrial precursor |  | Approved | 3 beta-hydroxysteroid dehydrogenase/delta 5-4-isomerase type I |  |
| 6505 | Target 839 | DB00157 | 6513 | Target 792 | DB00157 | 6521 | Target 66 | DB00157 |
| | ACADS_HUMAN | NADH | | AL3A1_HUMAN | NADH | | 3BHS2_HUMAN | NADH |
| Approved | Short-chain specific acyl-CoA dehydrogenase, mitochondrial precursor |  | Approved | Aldehyde dehydrogenase, dimeric NADP-prefering |  | Approved | 3 beta-hydroxysteroid dehydrogenase/delta 5-4-isomerase type II |  |
| 6506 | Target 2825 | DB02338 | 6514 | Target 579 | DB00157 | 6522 | Target 196 | DB00157 |
| | LYS9_MAGGR | Nadph Dihydro-Nico.. | | ADH7_HUMAN | NADH | | BDH_HUMAN | NADH |
| | Saccharopine dehydrogenase [NADP+, L-glutamate-forming] |  | Approved | Alcohol dehydrogenase class 4 mu/sigma chain |  | Approved | D-beta-hydroxybutyrate dehydrogenase, mitochondrial precursor |  |
| 6507 | Target 2675 | DB02338 | 6515 | Target 548 | DB00157 | 6523 | Target 296 | DB00157 |
| | PTR1_LEIMA | Nadph Dihydro-Nico.. | | NDUS1_HUMAN | NADH | | MTDC_HUMAN | NADH |
| | Pteridine reductase 1 |  | Approved | NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial precursor |  | Approved | Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial precursor |  |
| 6508 | Target 650 | DB00157 | 6516 | Target 74 | DB00157 | 6524 | Target 812 | DB00157 |
| | AK1C3_HUMAN | NADH | | ODP2_HUMAN | NADH | | NADP-dependent methylenetetrahydrofolate dehydrogenase | NADH |
| Approved | Aldo-keto reductase family 1 member C3 |  | Approved | Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial precursor |  | Approved | Dihydrolipoyl dehydrogenase, mitochondrial precursor |  |

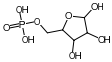
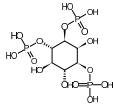
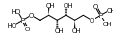
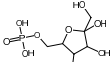
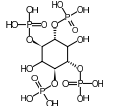
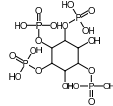
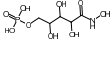
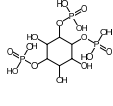
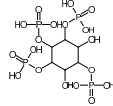
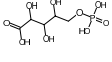
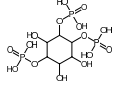
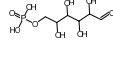
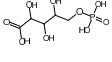
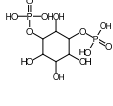
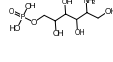
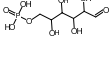
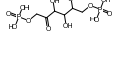
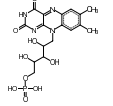
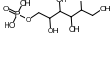
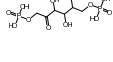
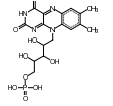
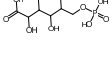
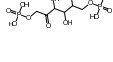
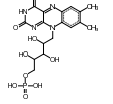
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| 6549 | Target 2852 MUTL.ECOLI DNA mismatch repair protein mutL | DB04395 Phosphoamino phosph..  | 6557 | Target 4426 G3P.THEMA Glyceraldehyde-3-phosphate dehydrogenase | DB01907 Nicotinamide -Adeni..  | 6565 | Target 2482 DPOL.BPR69 DNA polymerase | DB01972 Guanosine-5' -Monop..  |
| 6550 | Target 5616 ERF2.SCHPO Eukaryotic peptide chain release factor GTP-binding subunit | DB04315 Guanosine-5' -Dipho..  | 6558 | Target 4448 DHL2.LACCO L-2-hydroxyisocaproate dehydrogenase | DB01907 Nicotinamide -Adeni..  | 6566 | Target 3083 RND3.RAT Rho-related GTP-binding protein precursor RhoE | DB04137 Guanosine-5' -Triph..  |
| 6551 | Target 4346 KIPN.BPT4 Polynucleotide kinase | DB03431 Adenosine-5' -Dipho..  | 6559 | Target 4499 RMLB.STRMU dTDP-glucose 4,6-dehydratase | DB01907 Nicotinamide -Adeni..  | 6567 | Target 4476 008355.PSEFL Mannitol dehydrogenase | DB01907 Nicotinamide -Adeni..  |
| 6552 | Target 5277 SECA.BACSU Preprotein translocase subunit secA | DB03431 Adenosine-5' -Dipho..  | 6560 | Target 3190 MASZ.MYCTU Malate synthase G | DB01992 Coenzyme A  | 6568 | Target 2591 HUTU.PSEPK Urocanate hydratase | DB01907 Nicotinamide -Adeni..  |
| 6553 | Target 5308 SECA1.MYCTU Preprotein translocase secA 1 subunit | DB03431 Adenosine-5' -Dipho..  | 6561 | Target 4759 P94182.9NOST Adenylate cyclase | DB02527 Cyclic Adenosine M..  | 6569 | Target 4467 Q9WZL1.THEMA Alpha-glucosidase, putative | DB01907 Nicotinamide -Adeni..  |
| 6554 | Target 3273 OBG.BACSU Spo0B-associated GTP-binding protein | DB04022 Guanosine-5' ,3'-Te..  | 6562 | Target 4525 NOS1.MOUSE Nitric-oxide synthase, brain | DB03461 2'-Monophospho hoaden..  | 6570 | Target 2967 RFBE.SALTI CDP-paratose 2-epimerase | DB01907 Nicotinamide -Adeni..  |
| 6555 | Target 5266 HGDC.ACIFE Activator of | DB03431 Adenosine-5' -Dipho..  | 6563 | Target 2437 NOS1.RAT Nitric-oxide synthase, brain | DB03461 2'-Monophospho hoaden..  | 6571 | Target 3175 GSH1.ECOLI Glutamate-cysteine ligase | DB03431 Adenosine-5' -Dipho..  |
| 6556 | Target 4449 Q9ADS9.STAAU ADP-ribosyltransferase | DB01907 Nicotinamide -Adeni..  | 6564 | Target 5640 EPHB2.MOUSE Ephrin type-B receptor 2 | DB04395 Phosphoamino phosph..  | 6572 | Target 5623 PURA.ARATH Adenylosuccinate synthetase, chloroplast | DB04315 Guanosine-5' -Dipho..  |

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| 6573 | Target 2334 BIOD.ECOLI Dethiobiotin synthetase | DB03431 Adenosine-5'-Diphospho..  | 6581 | Target 3059 HSD.MYCTU 3-alpha-(or 20-beta)-hydroxysteroid dehydrogenase | DB01907 Nicotinamide-Adeni..  | 6589 | Target 4436 P84125.THETH Glyceraldehyde 3-phosphate dehydrogenase | DB01907 Nicotinamide-Adeni..  |
| 6574 | Target 4469 NADD.SHIFL Nicotinate-nucleotide adenyltransferase | DB01907 Nicotinamide-Adeni..  | 6582 | Target 4420 MDH.CHLTE Malate dehydrogenase | DB01907 Nicotinamide-Adeni..  | 6590 | Target 4489 G3P.THEAQ Glyceraldehyde-3-phosphate dehydrogenase | DB01907 Nicotinamide-Adeni..  |
| 6575 | Target 2560 THGA.ECOLI Galactoside O-acetyltransferase | DB01992 Coenzyme A  | 6583 | Target 2826 GFO.ZYMMO Glucose-fructose oxidoreductase precursor | DB01907 Nicotinamide-Adeni..  | 6591 | Target 3401 DHD2.LACPA D-2-hydroxyisocaproate dehydrogenase | DB01907 Nicotinamide-Adeni..  |
| 6576 | Target 4753 RIPO.DIACA Antiviral protein DAP-30 | DB02527 Cyclic Adenosine M..  | 6584 | Target 4485 ADH.DROME Alcohol dehydrogenase | DB01907 Nicotinamide-Adeni..  | 6592 | Target 77 LDHB.HUMAN L-lactate dehydrogenase B chain | DB01907 Nicotinamide-Adeni..  |
| 6577 | Target 4450 Q46220.CLOPE Iota toxin component Ia | DB01907 Nicotinamide-Adeni..  | 6585 | Target 615 FABH.ECOLI 3-oxoacyl-[acyl-carrier-protein] synthase 3 | DB01992 Coenzyme A  | 6593 | Target 3138 FABH.MYCTU 3-oxoacyl-[acyl-carrier-protein] synthase 3 | DB03264 Dodecyl-Coa  |
| 6578 | Target 2831 HSD.STREX 3-alpha-(or 20-beta)-hydroxysteroid dehydrogenase | DB01907 Nicotinamide-Adeni..  | 6586 | Target 615 FABH.ECOLI 3-oxoacyl-[acyl-carrier-protein] synthase 3 | DB04524 Malonyl-Coenzyme A..  | 6594 | Target 3102 HMP.RALEH Flavo-hemoprotein | DB03147 Flavin-Adenine Din..  |
| 6579 | Target 3608 PDXK.SHEEP Pyridoxal kinase | DB03431 Adenosine-5'-Diphospho..  | 6587 | Target 5283 DDL.SHIFL D-alanine-D-alanine ligase B | DB03431 Adenosine-5'-Diphospho..  | 6595 | Target 5102 DH4C.PSEPU 4-cresol dehydrogenase [hydroxylating] flavoprotein subunit | DB03147 Flavin-Adenine Din..  |
| 6580 | Target 3608 PDXK.SHEEP Pyridoxal kinase | DB03909 Adenosine-5'-[Beta..  | 6588 | Target 2286 IDH.AZOVI Isocitrate dehydrogenase [NADP] | DB03461 2'-Monophosphoadeni..  | 6596 | Target 2709 FRDA.SHEON Fumarate reductase flavoprotein subunit precursor | DB03147 Flavin-Adenine Din..  |

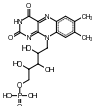


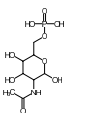


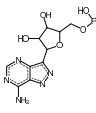
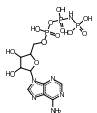
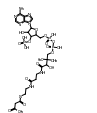

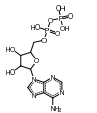
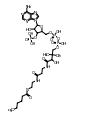


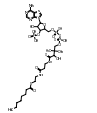


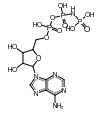


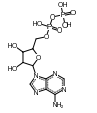

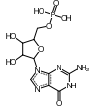
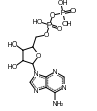
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| 6598 | Target 3133 GLF.ECOLI UDP-galactopyranose mutase | DB03147 Flavin-Adenine Dinucleotide | 6606 | Target 4451 Q844J9.BACTU Vip2Ac | DB01907 Nicotinamide-Adenine Dinucleotide | 6614 | Target 4303 ITPK1.ENTHI Inositol-tetrakisphosphate 1-kinase | DB03431 Adenosine-5'-Diphosphate |
| 6599 | Target 5113 DLDH.PEA Dihydrolipoyl dehydrogenase, mitochondrial | DB03147 Flavin-Adenine Dinucleotide | 6607 | Target 599 G3P.HUMAN Glyceraldehyde-3-phosphate dehydrogenase | DB01907 Nicotinamide-Adenine Dinucleotide | 6615 | Target 4303 ITPK1.ENTHI Inositol-tetrakisphosphate 1-kinase | DB03909 Adenosine-5'-[Beta-Diphosphate] |
| 6600 | Target 5081 NADB.ECOLI L-aspartate oxidase | DB03147 Flavin-Adenine Dinucleotide | 6608 | Target 3367 ALGD.PSEAE GDP-mannose 6-dehydrogenase | DB01907 Nicotinamide-Adenine Dinucleotide | 6616 | Target 2683 ARC3.CBDP Mono-ADP-ribosyltransferase C3 precursor | DB03431 Adenosine-5'-Diphosphate |
| 6601 | Target 2419 GLGS.SOLTU Glucose-1-phosphate adenylyltransferase small subunit, chloroplast precursor | DB01774 Adenosine-5'-Monophosphate | 6609 | Target 2302 IDH.ECOLI Isocitrate dehydrogenase [NADP] | DB03461 2'-Monophosphoadenosine | 6617 | Target 2683 ARC3.CBDP Mono-ADP-ribosyltransferase C3 precursor | DB01907 Nicotinamide-Adenine Dinucleotide |
| 6602 | Target 2403 CISY.PIG Citrate synthase, mitochondrial precursor | DB04230 Nitromethylethylamine | 6610 | Target 2302 IDH.ECOLI Isocitrate dehydrogenase [NADP] | DB01907 Nicotinamide-Adenine Dinucleotide | 6618 | Target 579 ADH7.HUMAN Alcohol dehydrogenase class 4 mu/sigma chain | DB01907 Nicotinamide-Adenine Dinucleotide |
| 6603 | Target 2403 CISY.PIG Citrate synthase, mitochondrial precursor | DB01969 Trifluoroacetonyl | 6611 | Target 933 SRC.HUMAN Proto-oncogene tyrosine-protein kinase Src | DB01893 N6-Benzyl Adenosine | 6619 | Target 1939 HS90A.HUMAN Heat shock protein HSP 90-alpha | DB03431 Adenosine-5'-Diphosphate |
| 6604 | Target 2403 CISY.PIG Citrate synthase, mitochondrial precursor | DB01992 Coenzyme A | 6612 | Target 4508 Q9HTD9.PSEAE Alcohol dehydrogenase | DB01907 Nicotinamide-Adenine Dinucleotide | 6620 | Target 2511 MAPK2.HUMAN MAP kinase-activated protein kinase 2 | DB03431 Adenosine-5'-Diphosphate |

| | | | | | | | | |
|------|---|---|------|--|---|------|---|--|
| 6621 | Target 4445 AL3A1.RAT Aldehyde dehydrogenase, dimeric NADP-preferring | DB01907 Nicotinamide-Adeni..  | 6629 | Target 5329 TRN1.DATST Tropinone reductase 1 | DB03461 2'-Monophosphoadeni..  | 6637 | Target 2419 GLGS.SOLTU Glucose-1-phosphate adenylyltransferase small subunit, chloroplast precursor | DB03431 Adenosine-5'-Dipho..  |
| 6622 | Target 3045 PARP1.CHICK Poly [ADP-ribose] polymerase 1 | DB02498 Carba-Nicotinamide..  | 6630 | Target 3063 ILV5.SPIOL Ketol-acid reductoisomerase, chloroplast precursor | DB04497 2'-Monophosphoadeni..  | 6638 | Target 3433 MAOX.COLLI NADP-dependent malic enzyme | DB03461 2'-Monophosphoadeni..  |
| 6623 | Target 3003 TOP2.YEAST DNA topoisomerase 2 | DB04395 Phosphoamino phosph..  | 6631 | Target 5619 GMDS.HUMAN GDP-mannose 4,6 dehydratase | DB04315 Guanosine-5'-Dipho..  | 6639 | Target 3506 GCDH.HUMAN Glutaryl-CoA dehydrogenase, mitochondrial precursor | DB03245 S-4-Nitrobutyryl-C..  |
| 6624 | Target 5311 MYOE.DICDI Myosin IE heavy chain | DB03431 Adenosine-5'-Dipho..  | 6632 | Target 2339 TGM3.HUMAN Protein-glutamine gamma-glutamyltransferase E precursor | DB01864 5'-Guanosine-Dipho..  | 6640 | Target 3506 GCDH.HUMAN Glutaryl-CoA dehydrogenase, mitochondrial precursor | DB03147 Flavin-Adenine Din..  |
| 6625 | Target 504 KIT.HUMAN Mast/stem cell growth factor receptor precursor | DB03431 Adenosine-5'-Dipho..  | 6633 | Target 2339 TGM3.HUMAN Protein-glutamine gamma-glutamyltransferase E precursor | DB01972 Guanosine-5'-Monop..  | 6641 | Target 5435 DCHM.BPT4 Deoxycytidylate 5-hydroxymethyltransferase | DB03798 2'-Deoxycytidine-5..  |
| 6626 | Target 5312 KIF1A.HUMAN Kinesin-like protein KIF1A | DB03909 Adenosine-5'-[Beta..  | 6634 | Target 2339 TGM3.HUMAN Protein-glutamine gamma-glutamyltransferase E precursor | DB04315 Guanosine-5'-Dipho..  | 6642 | Target 3586 TYSA.BACSU Thymidylate synthase A | DB03761 5-Fluoro-2'-Deoxyu..  |
| 6627 | Target 5312 KIF1A.HUMAN Kinesin-like protein KIF1A | DB03431 Adenosine-5'-Dipho..  | 6635 | Target 3313 ADH8.RANPE NADP-dependent alcohol dehydrogenase | DB03461 2'-Monophosphoadeni..  | 6643 | Target 3529 ISG20.HUMAN Interferon-stimulated gene 20 kDa protein | DB03685 Uridine-5'-Monopho..  |
| 6628 | Target 5646 GALK1.HUMAN Galactokinase | DB04395 Phosphoamino phosph..  | 6636 | Target 2971 NCD.DROME Protein claret segregational | DB03431 Adenosine-5'-Dipho..  | 6644 | Target 2291 B3GA1.HUMAN Galactosylgalactosylxylopyranose 3-beta-glucuronosyltransferase 1 | DB03435 Uridine-5'-Diphosp..  |

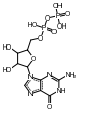
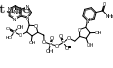
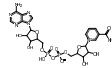
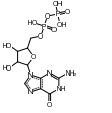
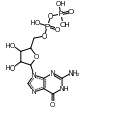
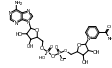
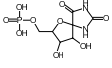
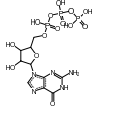
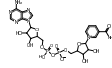
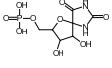
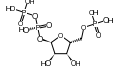
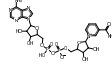
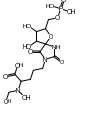
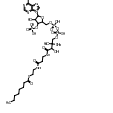
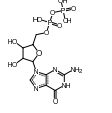
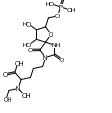
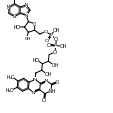
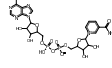
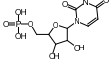
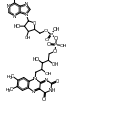
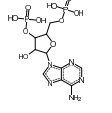
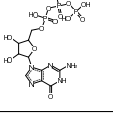
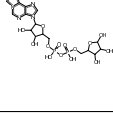
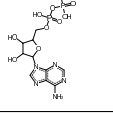
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| 6646 | Target 2857 B4GT1_BOVIN Beta-1,4-galactosyltransferase 1 | DB03685 Uridine-5'-Monopho..  | 6654 | Target 2826 GFO_ZYMMO Glucose-fructose oxidoreductase precursor | DB02338 Nadph Dihydro-Nico..  | 6662 POL_FIVPE Pol polyprotein [Contains: Protease | Target 2555 POL_FIVPE Pol polyprotein [Contains: Protease | DB03800 Dump  |
| 6647 | Target 2967 RFBE_SALTI CDP-paratose 2-epimerase | DB04555 Cytidine-5'-Diphos..  | 6655 Approved | Target 384 NUGM_HUMAN NADH-ubiquinone oxidoreductase chain 6 | DB00157 NADH  | 6663 POL_FIVPE Pol polyprotein [Contains: Protease | Target 2555 POL_FIVPE Pol polyprotein [Contains: Protease | DB03435 Uridine-5'-Diphosph..  |
| 6648 | Target 2633 NRDD_BPT4 Anaerobic ribonucleoside-triphosphate reductase | DB02452 Thymidine-5'-Triph..  | 6656 Approved | Target 91 NDUAA_HUMAN NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial precursor | DB00157 NADH  | 6664 GAL7_ECOLI Galactose-1-phosphate uridylyltransferase | Target 2590 GAL7_ECOLI Galactose-1-phosphate uridylyltransferase | DB01861 Glucose-Uridine-C1..  |
| 6649 | Target 2633 NRDD_BPT4 Anaerobic ribonucleoside-triphosphate reductase | DB03258 2'-Deoxycytidine-5..  | 6657 Approved | Target 740 ASSY_HUMAN Argininosuccinate synthase | DB00171 Adenosine triphosph..  | 6665 GAL7_ECOLI Galactose-1-phosphate uridylyltransferase | Target 2590 GAL7_ECOLI Galactose-1-phosphate uridylyltransferase | DB03685 Uridine-5'-Monopho..  |
| 6650 | Target 2633 NRDD_BPT4 Anaerobic ribonucleoside-triphosphate reductase | DB02181 2'-Deoxyguanosine-..  | 6658 Approved | Target 242 ASNS_HUMAN Asparagine synthetase [glutamine-hydrolyzing] | DB00171 Adenosine triphosph..  | 6666 GAL7_ECOLI Galactose-1-phosphate uridylyltransferase | Target 2590 GAL7_ECOLI Galactose-1-phosphate uridylyltransferase | DB03435 Uridine-5'-Diphosph..  |
| 6651 | Target 2633 NRDD_BPT4 Anaerobic ribonucleoside-triphosphate reductase | DB03222 2'-Deoxyadenosine ..  | 6659 Approved | Target 17 ABL1_HUMAN Proto-oncogene tyrosine-protein kinase ABL1 | DB00171 Adenosine triphosph..  | 6667 RMLB_STRMU dTDP-glucose 4,6-dehydratase | Target 4499 RMLB_STRMU dTDP-glucose 4,6-dehydratase | DB03161 Thymidine-5'-Diphos..  |
| 6652 Approved | Target 30 NDUV3_HUMAN NADH dehydrogenase [ubiquinone] flavoprotein 3, mitochondrial precursor | DB00157 NADH  | 6660 | Target 5256 POLEIAVY Pol polyprotein | DB03413 Deoxyuridine-5'-Di..  | 6668 RMLB_STRMU dTDP-glucose 4,6-dehydratase | Target 4499 RMLB_STRMU dTDP-glucose 4,6-dehydratase | DB03751 2'-deoxy-Thymidine-..  |

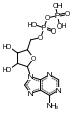
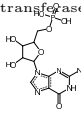
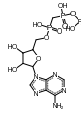
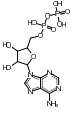
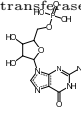
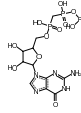
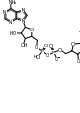
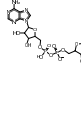
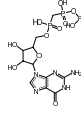
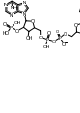
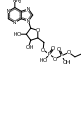
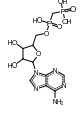
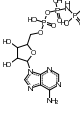
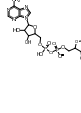
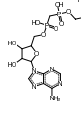
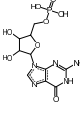
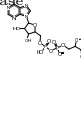
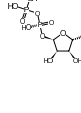
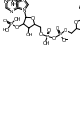
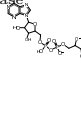
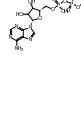
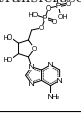
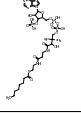
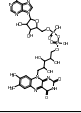
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| |  | | |  | | |  | |
| 6670 | Target 2715 G6PI_RABIT Glucose-6-phosphate isomerase | DB04493 Fructose-6-P hospha.. | 6678 | Target 4303 ITPK1_ENTHI Inositol-tetrakisphosphate 1-kinase | DB04300 (1s,3r,4r,6s)-1,3,.. | 6686 | Target 2355 BTK_HUMAN Tyrosine-protein kinase BTK | DB03265 Inositol-(1,3,4,5).. |
| |  | | |  | | |  | |
| 6671 | Target 2715 G6PI_RABIT Glucose-6-phosphate isomerase | DB02093 5-Phospho-D-Arabin.. | 6679 | Target 3128 PLCD1_RAT 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta 1 | DB03401 D-Myo-Inositol-1,4.. | 6687 | Target 2355 BTK_HUMAN Tyrosine-protein kinase BTK | DB01863 Inositol 1,3,4,5-T.. |
| |  | | |  | | |  | |
| 6672 | Target 2715 G6PI_RABIT Glucose-6-phosphate isomerase | DB03042 5-Phosphoara binoni.. | 6680 | Target 3128 PLCD1_RAT 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta 1 | DB03956 D-Myo-Inositol-2,4.. | 6688 | Target 2597 GLMS_ECOLI Glucosamine-fructose-6-phosphate aminotransferase [isomerizing] | DB03581 Glucose-6-Phosphat.. |
| |  | | |  | | |  | |
| 6673 | Target 2206 G6PI_HUMAN Glucose-6-phosphate isomerase | DB03042 5-Phosphoara binoni.. | 6681 | Target 3303 EEA1_HUMAN Early endosome antigen 1 | DB02942 Inositol 1,3-Bisph.. | 6689 | Target 2597 GLMS_ECOLI Glucosamine-fructose-6-phosphate aminotransferase [isomerizing] | DB02445 2-Deoxy-2-Amino Gl.. |
| |  | | |  | | |  | |
| 6674 | Target 2484 G6PI_MOUSE Glucose-6-phosphate isomerase | DB03581 Glucose-6-Phosphat.. | 6682 | Target 2690 ALDOB_RABIT Fructose-bisphosphate aldolase B | DB02512 1,6-Fructose Diphos.. | 6690 | Target 5196 OPR3_ARATH 12-oxophytodienoate reductase 3 | DB03247 Riboflavin Monophosho.. |
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| 6675 | Target 2715 G6PI_RABIT Glucose-6-phosphate isomerase | DB02548 Sorbitol 6-phosphat.. | 6683 | Target 2607 ALDOA_RABIT Fructose-bisphosphate aldolase A | DB02512 1,6-Fructose Diphos.. | 6691 | Target 5177 Q9NXV1.THEMA Hypothetical protein | DB03247 Riboflavin Monophosho.. |
| |  | | |  | | |  | |
| 6676 | Target 2715 G6PI_RABIT Glucose-6-phosphate isomerase | DB02076 6-Phosphogluconic .. | 6684 | Target 3069 ALDOA_HUMAN Fructose-bisphosphate aldolase A | DB02512 1,6-Fructose Diphos.. | 6692 | Target 2261 FRA1_VIBFI Major NAD(P)H-flavin oxidoreductase | DB03247 Riboflavin Monophosho.. |
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| 6693 | Target 424 PYRD_HUMAN Dihydroorotate dehydrogenase, mitochondrial precursor | DB03247 Riboflavin Monophosphate | 6701 | Target 3714 PUR1.ECOLI Amidophosphoribosyltransferase | DB03942 Carboxylic Ribose | 6709 | Target 4120 NCPH.HUMAN NADPH-cytochrome reductase P450 | DB03247 Riboflavin Monophosphate |
| 6694 | Target 2745 PYRD_RAT Dihydroorotate dehydrogenase, mitochondrial precursor | DB03247 Riboflavin Monophosphate | 6702 | Target 2547 IN01.YEAST Inositol-3-phosphate synthase | DB04516 2-Deoxy-Glucitol-6.. | 6710 | Target 5184 NFNB.ENTCL Oxygen-insensitive NAD(P)H nitroreductase | DB03247 Riboflavin Monophosphate |
| 6695 | Target 3507 AROC_STR6 Chorismate synthase | DB03247 Riboflavin Monophosphate | 6703 | Target 3268 RADI_MOUSE Radixin | DB03401 D-Myo-Inositol-1,4.. | 6711 | Target 4503 FRP_VIBHA NADPH-flavin oxidoreductase | DB03247 Riboflavin Monophosphate |
| 6696 | Target 2747 TDT_MOUSE DNA nucleotidyltransferase | DB02189 2',3'-Dideoxyadenosine | 6704 | Target 476 AKT1_HUMAN RAC-alpha serine/threonine-protein kinase | DB01863 Inositol 1,3,4,5-T.. | 6712 | Target 685 NFSA.ECOLI Oxygen-insensitive NADPH nitroreductase | DB03247 Riboflavin Monophosphate |
| 6697 | Target 2797 TRPC_SULSO Indole-3-glycerol phosphate synthase | DB03543 1-(O-Carboxy-Phenyl.. | 6705 | Target 2348 PKHA4_HUMAN Pleckstrin homology domain-containing family A member 4 | DB01863 Inositol 1,3,4,5-T.. | 6713 | Target 2839 TRPC_ECOLI Tryptophan biosynthesis protein trpCF [Includes: Indole-3-glycerol phosphate synthase | DB03543 1-(O-Carboxy-Phenyl.. |
| 6698 | Target 2797 TRPC_SULSO Indole-3-glycerol phosphate synthase | DB04143 Indole-3-Glycerol .. | 6706 | Target 4585 TUB_MOUSE Tubby protein | DB02028 L-Alpha-Glycerophosphate | 6714 | Target 5188 027711.METH Conserved protein | DB03247 Riboflavin Monophosphate |
| 6699 | Target 3134 AROF_THEMA Phospho-2-dehydro-3-deoxyheptonate aldolase | DB03937 Erythrose-4-Phosphate | 6707 | Target 5774 RPOC.THETS DNA-directed RNA polymerase beta' chain | DB04788 Tagetitoxin | 6715 | Target 5195 LOT6.YEAST NAD(P)H-dependent FMN reductase LOT6 | DB03247 Riboflavin Monophosphate |
| 6700 | Target 2869 DXR.ECOLI 1-deoxy-D-xylulose 5-phosphate reductoisomerase | DB02496 1-Deoxy-D-Xylulose.. | 6708 | Target 2542 KDSA.SHIFL 2-dehydro-3-deoxyphosphooctonate aldolase | DB02433 ((2,2-Dihydroxy-E.. | 6716 | Target 5175 Q8DW21.STRMU Hypothetical protein SMU.260 | DB03247 Riboflavin Monophosphate |

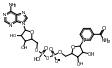
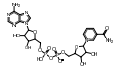
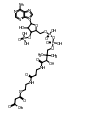
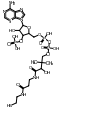
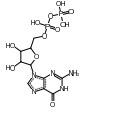
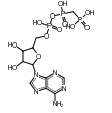
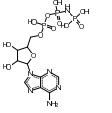
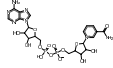
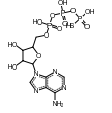
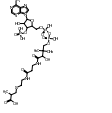
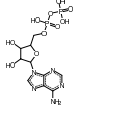
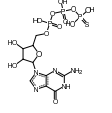
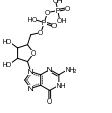
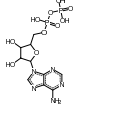
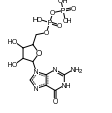
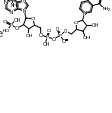
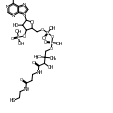
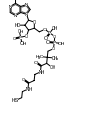
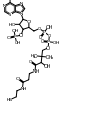
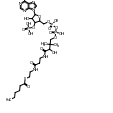
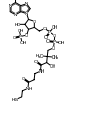
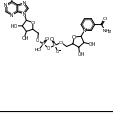
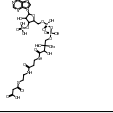
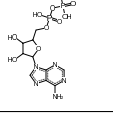
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| 6718 | Target 2990 GNA1.YEAST Glucosamine 6-phosphate N-acetyltransferase | DB03951 16g  | 6726 | Target 5343 ALDH.VIBHA NADP-dependent fatty aldehyde dehydrogenase | DB03461 2'-Monophosphoaden..  | 6734 | Target 4419 P90613.TOXGO Lactate dehydrogenase | DB03363 3-Acetylpyridine A..  |
| 6719 | Target 3129 RIPS.PHYAM Antiviral protein S | DB03464 Formycin-5'-Monoph..  | 6727 | Target 1836 MK10.HUMAN Mitogen-activated protein kinase 10 | DB04395 Phosphoamino phosph..  | 6735 | Target 3285 ECHM.RAT Enoyl-CoA hydratase, mitochondrial precursor | DB03059 Acetoacetyl-Coenzy..  |
| 6720 | Target 2980 F16P1.PIG Fructose-1,6-bisphosphatase 1 | DB04493 Fructose-6-Phospho..  | 6728 | Target 1422 STR6.HUMAN Serine/threonine-protein kinase 6 | DB03431 Adenosine-5'-Dipho..  | 6736 | Target 3285 ECHM.RAT Enoyl-CoA hydratase, mitochondrial precursor | DB02563 Hexanoyl-Coenzyme ..  |
| 6721 | Target 2980 F16P1.PIG Fructose-1,6-bisphosphatase 1 | DB02778 2,5-Anhydroglucito..  | 6729 | Target 597 DHPR.HUMAN Dihydropteridine reductase | DB01907 Nicotinamide -Adeni..  | 6737 | Target 3285 ECHM.RAT Enoyl-CoA hydratase, mitochondrial precursor | DB02910 Octanoyl-Coenzyme ..  |
| 6722 | Target 2542 KDSA.SHIFL 2-dehydro-3-deoxyphosphoactonate aldolase | DB03936 1-Deoxy-Ribofurano..  | 6730 | Target 4434 DHPR.RAT Dihydropteridine reductase | DB01907 Nicotinamide -Adeni..  | 6738 | Target 3202 ACTS.RAT Actin, alpha skeletal muscle | DB04395 Phosphoamino phosph..  |
| 6723 | Target 4270 Q967M2.GIALA Adenine phosphoribosyltransferase | DB01632 Alpha-Phosphoribos..  | 6731 | Target 5328 Q9GV41.STRYP Prostaglandin synthase | DB03461 2'-Monophosphoaden..  | 6739 | Target 3202 ACTS.RAT Actin, alpha skeletal muscle | DB03431 Adenosine-5'-Dipho..  |
| 6724 | Target 3541 RBSD.BACSU High affinity ribose transport protein rbsD | DB04352 [(2r,3s,4s,5r)-3,4..  | 6732 | Target 4552 Q9NJI5.LEITA Hypoxanthine-guanine phosphoribosyltransferase | DB01972 Guanosine-5'-Monop..  | 6740 | Target 2615 CHEA.THEMA Chemotaxis protein cheA | DB03431 Adenosine-5'-Dipho..  |

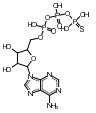
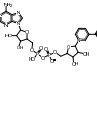
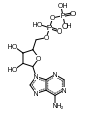
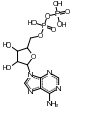
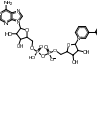
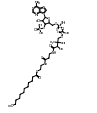
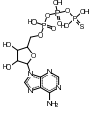
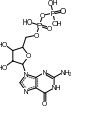
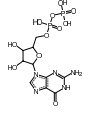
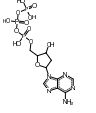
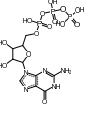
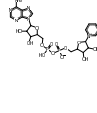
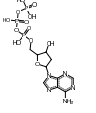
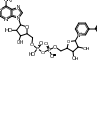
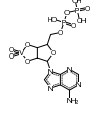
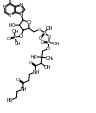
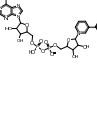
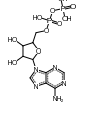
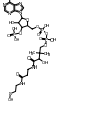
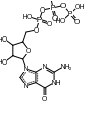
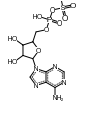
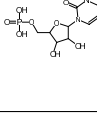
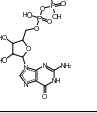
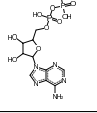
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| 6742 | Target 2615 CHEA.THEMA Chemotaxis protein cheA | DB04395 Phosphoamino phosph.. | 6750 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB04566 Inosinic Acid.. | 6758 | Target 2373 SNAT_SHEEP Serotonin N-acetyltransferase | DB03341 Coa-S-Acetyl 5-Bro.. |
| 6743 | Target 3409 ACKA.METTE Acetate kinase | DB03431 Adenosine-5'-Dipho.. | 6751 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB04315 Guanosine-5'-Dipho.. | 6759 | Target 5466 Q8ZKR2.SALTY Putative sugar kinase | DB03909 Adenosine-5'-[Beta.. |
| 6744 | Target 2770 ADH.SULSO NAD-dependent alcohol dehydrogenase | DB01907 Nicotinamide-Adeni.. | 6752 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB02836 Guanosine 5'-Dipho.. | 6760 | Target 2897 RECQ.ECOLI ATP-dependent DNA helicase recQ | DB02930 Phosphothio phospho.. |
| 6745 | Target 5263 RECA.SHIFL Protein recA | DB04395 Phosphoamino phosph.. | 6753 | Target 3323 PURA.SHIFL Adenylosuccinate synthetase | DB04566 Inosinic Acid.. | 6761 | Target 1881 HXK1.HUMAN Hexokinase-1 | DB03431 Adenosine-5'-Dipho.. |
| 6746 | Target 5263 RECA.SHIFL Protein recA | DB03431 Adenosine-5'-Dipho.. | 6754 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB03146 2-Deazo-6-Thiophos.. | 6762 | Target 1881 HXK1.HUMAN Hexokinase-1 | DB04395 Phosphoamino phosph.. |
| 6747 | Target 3285 ECHM.RAT Enoyl-CoA hydratase, mitochondrial precursor | DB04117 4-(N,N-Dimethylami.. | 6755 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB02682 2-Deamino-6-Deoxy-.. | 6763 | Target 5340 ADH6.YEAST NADP-dependent alcohol dehydrogenase 6 | DB03461 2'-Monophospho hoaden.. |
| 6748 | Target 667 ACADS_HUMAN Acyl-CoA dehydrogenase family member 8, mitochondrial precursor | DB01675 Methacrylyl-Coenzy.. | 6756 | Target 2373 SNAT_SHEEP Serotonin N-acetyltransferase | DB01777 Coa-S-Trimethylene.. | 6764 | Target 2571 DLG4.RAT Discs large homolog 4 | DB01972 Guanosine-5'-Monop.. |

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| 6765 | Target 5624 Q26000.PLAFA GTPase | DB04315 Guanosine-5'-Dipho..  | 6773 | Target 5157 DHR11.HUMAN Dehydrogenase/reductase SDR family member 11 | DB03461 2'-Monophosphoadenine  | 6781 | Target 3148 MDH.ARCFU Malate dehydrogenase | DB01907 Nicotinamide-Adeni..  |
| 6766 | Target 1596 TGM2.HUMAN Protein-glutamine gamma-glutamyltransferase 2 | DB04315 Guanosine-5'-Dipho..  | 6774 | Target 3158 RAB5A.MOUSE Ras-related protein Rab-5A | DB04315 Guanosine-5'-Dipho..  | 6782 | Target 4430 FAB1.BRANA Enoyl-[acyl-carrier-protein] reductase [NADH], chloroplast | DB01907 Nicotinamide-Adeni..  |
| 6767 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB02150 Hydantocidin -5'-Mo..  | 6775 | Target 3158 RAB5A.MOUSE Ras-related protein Rab-5A | DB04137 Guanosine-5'-Triph..  | 6783 | Target 4466 FADH.PSEPU Glutathione-independent formaldehyde dehydrogenase | DB01907 Nicotinamide-Adeni..  |
| 6768 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB02493 Hydantocidin -5'-Ph..  | 6776 | Target 2412 UPP_TOXGO Uracil phosphoribosyltransferase | DB01632 Alpha-Phosphoribos..  | 6784 | Target 3672 UDG.STRPY UDP-glucose 6-dehydrogenase | DB01907 Nicotinamide-Adeni..  |
| 6769 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB02666 (C8-R)-Hydantocidin..  | 6777 | Target 3185 ACADM.HUMAN Medium-chain specific acyl-CoA dehydrogenase, mitochondrial precursor | DB02910 Octanoyl-Coenzyme ..  | 6785 | Target 2976 GNAT1.BOVIN Guanine nucleotide-binding protein alpha-1 subunit | DB04315 Guanosine-5'-Dipho..  |
| 6770 | Target 2632 PURA.ECOLI Adenylosuccinate synthetase | DB04460 (C8-S)-Hydantocidin..  | 6778 | Target 3185 ACADM.HUMAN Medium-chain specific acyl-CoA dehydrogenase, mitochondrial precursor | DB03147 Flavin-Adenine Din..  | 6786 | Target 4433 DLDH.YEAST Dihydropolyl dehydrogenase, mitochondrial | DB01907 Nicotinamide-Adeni..  |
| 6771 | Target 2412 UPP_TOXGO Uracil phosphoribosyltransferase | DB03685 Uridine-5'-Monopho..  | 6779 | Target 4433 DLDH.YEAST Dihydropolyl dehydrogenase, mitochondrial | DB03147 Flavin-Adenine Din..  | 6787 | Target 4357 HAL2.YEAST 3'(2'),5'-bisphosphate nucleotidase | DB01812 Adenosine-3'-5'-Di..  |
| 6772 | Target 2412 UPP_TOXGO Uracil phosphoribosyltransferase | DB04137 Guanosine-5'-Triph..  | 6780 | Target 3148 MDH.ARCFU Malate dehydrogenase | DB02483 Etheno-Nad  | 6788 | Target 5297 KAR3.YEAST Kinesin-like protein KAR3 | DB03431 Adenosine-5'-Dipho..  |

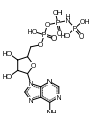
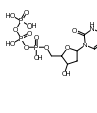
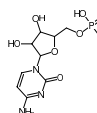
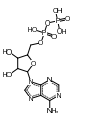
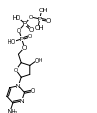
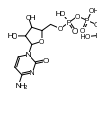
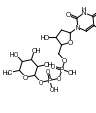
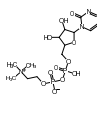
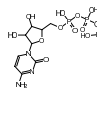
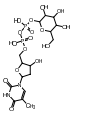
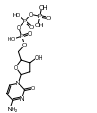
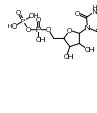
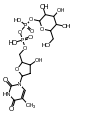
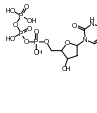
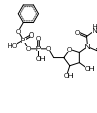
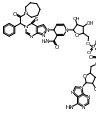
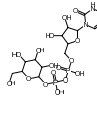
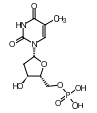
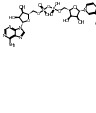
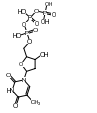
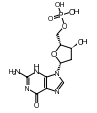
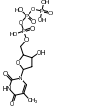
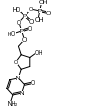
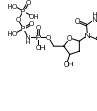
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| 6790 | Target 5270 CLPX_HELPY ATP-dependent Clp protease ATP-binding subunit clpX | DB03431 Adenosine-5'-Dipho..  | 6798 | Target 3714 PUR1_ECOLI Amidophosphoribosyltransferase | DB01972 Guanosine-5'-Monop..  | 6806 | Target 3288 FTSZ1_METJA Cell division protein ftsZ homolog 1 | DB03532 Phosphomethyl phosph..  |
| 6791 | Target 4503 FRP_VIBHA NADPH-flavin oxidoreductase | DB01907 Nicotinamide-Adeni..  | 6799 | Target 2623 NPD1_ARCFU NAD-dependent deacetylase 1 | DB01907 Nicotinamide-Adeni..  | 6807 | Target 3301 FTSZ_THEMEA Cell division protein ftsZ | DB03532 Phosphomethyl phosph..  |
| 6792 | Target 2375 HDDD_ECOLI ADP-L-glycero-D-manno-heptose-6-epimerase | DB03461 2'-Monophosphoaden..  | 6800 | Target 2623 NPD1_ARCFU NAD-dependent deacetylase 1 | DB03478 2'-O-Acetyl Adenos..  | 6808 | Target 4555 O33199_MYCTU Hypothetical protein | DB03148 Phosphomethyl phosph..  |
| 6793 | Target 5649 ATKB_ECOLI Potassium-transporting ATPase B chain | DB04395 Phosphoamino phosph..  | 6801 | Target 4478 MDHC_PIG Malate dehydrogenase, cytoplasmic | DB01907 Nicotinamide-Adeni..  | 6809 | Target 4555 O33199_MYCTU Hypothetical protein | DB01975 AMP CPR  |
| 6794 | Target 2516 GMPRI1_HUMAN GMP reductase 1 | DB01972 Guanosine-5'-Monop..  | 6802 | Target 3070 SAHH_HUMAN Adenosylhomocysteinase | DB01907 Nicotinamide-Adeni..  | 6810 | Target 4271 Q8VP84_ERWCA Anthranilate phosphoribosyltransferase | DB01632 Alpha-Phosphoribos..  |
| 6795 | Target 5331 Q9W3H4_DROME CG10964-PA | DB03461 2'-Monophosphoaden..  | 6803 | Target 3036 SAHH_RAT Adenosylhomocysteinase | DB01907 Nicotinamide-Adeni..  | 6811 | Target 4555 O33199_MYCTU Hypothetical protein | DB02059 Adenosine-5-Diphos..  |
| 6796 | Target 2515 PUR1_BACSU Amidophosphoribosyltransferase precursor | DB03431 Adenosine-5'-Dipho..  | 6804 | Target 3211 D3D2_HUMAN 3,2-trans-enoyl-CoA isomerase, mitochondrial precursor | DB02910 Octanoyl-Coenzyme ..  | 6812 | Target 4868 GOX_ASPNG Glucose oxidase | DB03147 Flavin-Adenine Din..  |

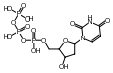
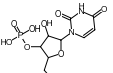
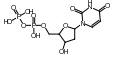
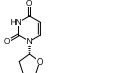
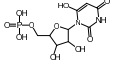
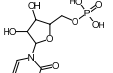
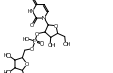
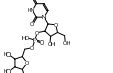
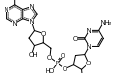
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| 6814 | Target 3673 FRDA.SHEFR Fumarate reductase flavoprotein subunit | DB03147 Flavin-Adenine Dinucleotide | 6822 | Target 3299 PRIM.BPT7 DNA primase/helicase | DB03222 2'-Deoxyadenosine | 6830 | Target 4418 Q7CRW4.AGR75 AGR-L-3209p | DB01907 Nicotinamide-Adenine Dinucleotide |
| 6815 | Target 4912 FRD2.SHEFN Fumarate reductase flavoprotein subunit | DB03147 Flavin-Adenine Dinucleotide | 6823 | Target 3279 HSP82.YEAST ATP-dependent molecular chaperone HSP82 | DB03431 Adenosine-5'-Diphosphate | 6831 | Target 2393 GLVA.BACSU Maltose-6'-phosphate glucosidase | DB01907 Nicotinamide-Adenine Dinucleotide |
| 6816 | Target 5107 AHPF.SALTY Alkyl hydroperoxide reductase subunit F | DB03147 Flavin-Adenine Dinucleotide | 6824 | Target 4429 Q9Y8I4.PYRIS Glutamate dehydrogenase | DB01907 Nicotinamide-Adenine Dinucleotide | 6832 | Target 4598 Q9U8D3.PLAFA Adenylosuccinate synthetase | DB04315 Guanosine-5'-Diphosphate |
| 6817 | Target 5118 AHPF.ECOLI Alkyl hydroperoxide reductase subunit F | DB03147 Flavin-Adenine Dinucleotide | 6825 | Target 2547 IN01.YEAST Inositol-3-phosphate synthase | DB01907 Nicotinamide-Adenine Dinucleotide | 6833 | Target 4598 Q9U8D3.PLAFA Adenylosuccinate synthetase | DB03510 6-O-Phosphoryl Inositol |
| 6818 | Target 2822 CHOD.STRSO Cholesterol oxidase precursor | DB03147 Flavin-Adenine Dinucleotide | 6826 | Target 2396 FCTA.OXAFO Formyl-coenzyme A transferase | DB01846 Oxidized Coenzyme A | 6834 | Target 2673 ENPL.CANFA Endoplasmic precursor | DB03431 Adenosine-5'-Diphosphate |
| 6819 | Target 2822 CHOD.STRSO Cholesterol oxidase precursor | DB02332 Flavin-N7 Protonated | 6827 | Target 2396 FCTA.OXAFO Formyl-coenzyme A transferase | DB01992 Coenzyme A | 6835 | Target 2990 GNA1.YEAST Glucosamine 6-phosphate N-acetyltransferase | DB01992 Coenzyme A |
| 6820 | Target 2911 ACADS.RAT Short-chain specific acyl-CoA dehydrogenase, mitochondrial precursor | DB03147 Flavin-Adenine Dinucleotide | 6828 | Target 5345 MTDH.AGABI NADP-dependent mannitol dehydrogenase | DB03461 2'-Monophosphoadenine | 6836 | Target 3678 FABI.ECOLI Enoyl-[acyl-carrier-protein] reductase [NADH] | DB01907 Nicotinamide-Adenine Dinucleotide |

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| 6837 | Target 3461 GALE.ECOLI UDP-glucose 4-epimerase | DB01907 Nicotinamide -Adeni..  | 6845 | Target 3228 FABI_HELPY Enoyl-[acyl- carrier-protein] reductase [NADH] | DB01907 Nicotinamide -Adeni..  | 6853 | Target 2702 2PS.GERHY 2-pyrone synthase | DB03059 Acetoacetyl- Coenzy..  |
| 6838 | Target 4580 CISY.ABDS2 Citrate synthase | DB01992 Coenzyme A  | 6846 | Target 5625 YPT7.YEAST GTP-binding pro- tein YPT7 | DB04315 Guanosine-5'- -Dipho..  | 6854 | Target 2878 PKNB.MYCTU Probable serine/threonine- protein kinase pknB | DB03909 Adenosine-5'- -[Beta..  |
| 6839 | Target 4700 O30245.ARCFU Hypothetical pro- tein | DB04395 Phosphoamino phosph..  | 6847 | Target 3177 RFBB.SALTY dTDP-glucose 4,6- dehydratase | DB01907 Nicotinamide -Adeni..  | 6855 | Target 2878 PKNB.MYCTU Probable serine/threonine- protein kinase pknB | DB02930 Phosphothioph ospho..  |
| 6840 | Target 2903 MMCD.ECOLI Methylmalonyl- CoA decarboxy- lase | DB03117 2-Carboxypro- pyl-Co..  | 6848 | Target 4774 Q94M05.SVIRU NTPase P4 | DB03431 Adenosine-5'- -Dipho..  | 6856 | Target 2521 FTSZ.MYCTU Cell division pro- tein ftsZ | DB01864 5'-Guanosine -Dipho..  |
| 6841 | Target 4799 Q8J307.METMP MJ0495-like protein | DB04315 Guanosine-5'- -Dipho..  | 6849 | Target 5285 KINH.HUMAN Kinesin heavy chain | DB03431 Adenosine-5'- -Dipho..  | 6857 | Target 2521 FTSZ.MYCTU Cell division pro- tein ftsZ | DB04315 Guanosine-5'- -Dipho..  |
| 6842 | Target 5339 LTB4D.CAVPO NADP-dependent leukotriene B4 12- hydroxydehydrogenase | DB03461 2'-Monophosp hoaden..  | 6850 | Target 2790 CHS2.MEDSA Chalcone synthase 2 | DB01992 Coenzyme A  | 6858 | Target 4571 Q8U2V3.PYRFU Hypothetical pro- tein PF0725 | DB01992 Coenzyme A  |
| 6843 | Target 4570 Q27198.TETTH HAT A1 | DB01992 Coenzyme A  | 6851 | Target 2790 CHS2.MEDSA Chalcone synthase 2 | DB02563 Hexanoyl-Coe nzyme ..  | 6859 | Target 4572 Q9KEQ1.BACHD Acyl-CoA hydro- lase | DB01992 Coenzyme A  |
| 6844 | Target 350 HCD2.HUMAN 3-hydroxyacyl- CoA dehydroge- nase type-2 | DB01907 Nicotinamide -Adeni..  | 6852 | Target 2790 CHS2.MEDSA Chalcone synthase 2 | DB04524 Malonyl-Coen zyme A..  | 6860 | Target 2282 RECA.MYCS2 Protein recA | DB03431 Adenosine-5'- -Dipho..  |

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| 6861 | Target 2282 RECA_MYCS2 Protein recA | DB01660 Adenosine-5'-Dipho..  | 6869 | Target 4483 HCD2_RAT 3-hydroxyacyl-CoA dehydrogenase type-2 | DB01907 Nicotinamide-Adeni..  | 6877 | Target 3088 LIVG_METJA Probable branched-chain amino acid transport ATP-binding protein livG | DB03431 Adenosine-5'-Dipho..  |
| 6862 | Target 2332 RECA_MYCPA Protein recA | DB03431 Adenosine-5'-Dipho..  | 6870 | Target 4507 052942_PHOLP Alanine dehydrogenase | DB01907 Nicotinamide-Adeni..  | 6878 | Target 5208 P94548_BACSU Hypothetical protein ysiA | DB03264 Dodecyl-Coa  |
| 6863 | Target 2332 RECA_MYCPA Protein recA | DB01660 Adenosine-5'-Dipho..  | 6871 | Target 3288 FTSZ1_METJA Cell division protein ftsZ homolog 1 | DB04315 Guanosine-5'-Dipho..  | 6879 | Target 3197 NUDD_ECOLI GDP-mannose mannosyl hydrolase | DB04315 Guanosine-5'-Dipho..  |
| 6864 | Target 2332 RECA_MYCPA Protein recA | DB03222 2'-Deoxyadenosine ..  | 6872 | Target 3288 FTSZ1_METJA Cell division protein ftsZ homolog 1 | DB04137 Guanosine-5'-Triph..  | 6880 | Target 4472 DHG_BACME Glucose dehydrogenase 1- | DB01907 Nicotinamide-Adeni..  |
| 6865 | Target 2282 RECA_MYCS2 Protein recA | DB03222 2'-Deoxyadenosine ..  | 6873 | Target 4427 Q9ZGH3_SACTO TDP-glucose-4,6-dehydratase | DB01907 Nicotinamide-Adeni..  | 6881 | Target 2933 KAPS_PENCH Adenylyl-sulfate kinase | DB02661 Adenosine-5'-Dipho..  |
| 6866 | Target 2377 ODP2_AZ0VI Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex | DB01992 Coenzyme A  | 6874 | Target 3081 AROB_STAAR 3-dehydroquinate synthase | DB01907 Nicotinamide-Adeni..  | 6882 | Target 2933 KAPS_PENCH Adenylyl-sulfate kinase | DB03431 Adenosine-5'-Dipho..  |
| 6867 | Target 2377 ODP2_AZ0VI Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex | DB01846 Oxidized Coenzyme ..  | 6875 | Target 3335 ENGB_BACSU Probable GTP-binding protein engB | DB04137 Guanosine-5'-Triph..  | 6883 | Target 2933 KAPS_PENCH Adenylyl-sulfate kinase | DB03708 Adenosine-5'-Phosph..  |
| 6868 | Target 3555 RUXX_METTH Putative snRNP Sm-like protein | DB03685 Uridine-5'-Monopho..  | 6876 | Target 3335 ENGB_BACSU Probable GTP-binding protein engB | DB04315 Guanosine-5'-Dipho..  | 6884 | Target 2270 COAE_ECOLI Dephospho-CoA kinase | DB03431 Adenosine-5'-Dipho..  |

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| 6885 | Target 2270 COAE.ECOLI Dephospho-CoA kinase | DB01690 Bis(Adenosine)-5'-... | 6893 | Target 3387 MVAA.PSEMV 3-hydroxy-3-methylglutaryl-coenzyme reductase | DB03169 (S)-Hmg-Coa | 6901 | Target 2285 VATD.ENTFC Streptogramin A acetyltransferase | DB01992 Coenzyme A |
| 6886 | Target 3297 ADH.DROLE Alcohol dehydrogenase | DB04421 Nicotinamide Adeni.. | 6894 | Target 3682 DYR.ECOLI Dihydrofolate reductase | DB02363 2'-Monophosphoadeni.. | 6902 | Target 3056 PYRF.ECOLI Orotidine 5'-phosphate decarboxylase | DB03668 1-(5'-Phospho)-Beta.. |
| 6887 | Target 3297 ADH.DROLE Alcohol dehydrogenase | DB02732 Nicotinamide Adeni.. | 6895 | Target 3682 DYR.ECOLI Dihydrofolate reductase | DB03461 2'-Monophosphoadeni.. | 6903 | Target 5305 PURK.ECOLI Phosphoribosylaminoimidazole carboxylase AT-Pase subunit | DB03431 Adenosine-5'-Dipho.. |
| 6888 | Target 3297 ADH.DROLE Alcohol dehydrogenase | DB01907 Nicotinamide-Adeni.. | 6896 | Target 3387 MVAA.PSEMV 3-hydroxy-3-methylglutaryl-coenzyme reductase | DB01907 Nicotinamide-Adeni.. | 6904 | Target 2336 DLGD.ECOLI 2,3-diketo-L-gulonate reductase | DB01907 Nicotinamide-Adeni.. |
| 6889 | Target 3297 ADH.DROLE Alcohol dehydrogenase | DB03168 Nicotinamide Adeni.. | 6897 | Target 5324 O29370_ARCFU Hypothetical protein | DB03461 2'-Monophosphoadeni.. | 6905 | Target 4484 DKGA.CORSC 2,5-diketo-D-gluconic acid reductase A | DB01907 Nicotinamide-Adeni.. |
| 6890 | Target 2329 MDH.CHLAU Malate dehydrogenase | DB01907 Nicotinamide-Adeni.. | 6898 | Target 4646 CBR2.MOUSE Lung carbonyl reductase [NADPH] | DB03461 2'-Monophosphoadeni.. | 6906 | Target 4484 DKGA.CORSC 2,5-diketo-D-gluconic acid reductase A | DB03461 2'-Monophosphoadeni.. |
| 6891 | Target 2911 ACADS.RAT Short-chain specific acyl-CoA dehydrogenase, mitochondrial precursor | DB03059 Acetoacetyl-Coenzy.. | 6899 | Target 2641 LDH.PLAFD L-lactate dehydrogenase | DB01907 Nicotinamide-Adeni.. | 6907 | Target 3518 KITH.EHV4 Thymidine kinase | DB03431 Adenosine-5'-Dipho.. |
| 6892 | Target 3387 MVAA.PSEMV 3-hydroxy-3-methylglutaryl-coenzyme reductase | DB01992 Coenzyme A | 6900 | Target 2874 NIFH1.AZ0VI Nitrogenase iron protein 1 | DB03431 Adenosine-5'-Dipho.. | 6908 | Target 2892 ARGB.ECOLI Acetylglutamate kinase | DB03431 Adenosine-5'-Dipho.. |

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| 6909 | Target 2892 ARGB.ECOLI Acetylglutamate kinase | DB04395 Phosphoamino phosph..  | 6917 | Target 2804 DCD.METJA dCTP deaminase, dUMP-forming | DB02333 Deoxyuridine -5'-Tri..  | 6925 | Target 3692 COABC.ECOLI Coenzyme biosynthesis bifunctional protein coaBC | DB03403 Cytidine-5'-Monoph..  |
| 6910 | Target 5279 Q84BR0.THETH Lysine biosynthesis enzyme | DB03431 Adenosine-5'-Dipho..  | 6918 | Target 2804 DCD.METJA dCTP deaminase, dUMP-forming | DB03258 2'-Deoxycytidine-5..  | 6926 | Target 3692 COABC.ECOLI Coenzyme biosynthesis bifunctional protein coaBC | DB02431 Cytidine-5'-Tripho..  |
| 6911 | Target 3598 RFBD.SALTY dTDP-4-dehydrorhamnose reductase | DB03723 2'-Deoxy-Thymidine..  | 6919 | Target 5602 Q97QE9.STRPN LicC protein | DB04290 [2-Cytidylate-O'-P..  | 6927 | Target 3344 ISPD.THEMA 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase | DB02431 Cytidine-5'-Tripho..  |
| 6912 | Target 4427 Q9ZGH3.SACTO TDP-glucose-4,6-dehydratase | DB03751 2'-deoxy-Thymidine..  | 6920 | Target 2712 DCD.ECOLI Deoxycytidine triphosphate deaminase | DB03258 2'-Deoxycytidine-5..  | 6928 | Target 3461 GALE.ECOLI UDP-glucose 4-epimerase | DB03435 Uridine-5'-Diphosph..  |
| 6913 | Target 3177 RFBB.SALTY dTDP-glucose 4,6-dehydratase | DB03751 2'-deoxy-Thymidine..  | 6921 | Target 2712 DCD.ECOLI Deoxycytidine triphosphate deaminase | DB02333 Deoxyuridine -5'-Tri..  | 6929 | Target 3461 GALE.ECOLI UDP-glucose 4-epimerase | DB02790 Phenyl-Uridine-5'..  |
| 6914 | Target 350 HCD2.HUMAN 3-hydroxyacyl-CoA dehydrogenase type-2 | DB02820 1-Azepan-1-Yl-2-Ph..  | 6922 | Target 3478 RMLA.SALTY Glucose-1-phosphate thymidyltransferase | DB04355 Uridine-5'-Monopho..  | 6930 | Target 4276 DP03E.ECOLI DNA polymerase III subunit epsilon | DB01643 Thymidine-5'-Phosph..  |
| 6915 | Target 350 HCD2.HUMAN 3-hydroxyacyl-CoA dehydrogenase type-2 | DB00157 NADH  | 6923 | Target 3478 RMLA.SALTY Glucose-1-phosphate thymidyltransferase | DB02452 Thymidine-5'-Triph..  | 6931 | Target 3596 DNMK.BPT4 Deoxynucleotide monophosphate kinase | DB04457 2'-Deoxyguanosine..  |
| 6916 | Target 3299 PRIM.BPT7 DNA primase/helicase | DB02452 Thymidine-5'-Triph..  | 6924 | Target 3023 DP01.THEAQ DNA polymerase I, thermostable | DB03258 2'-Deoxycytidine-5..  | 6932 | Target 2410 DUT.MYCTU Deoxyuridine 5'-triphosphate nucleotidohydrolase | DB01965 2'-Deoxyuridine 5'..  |

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| 6933 | Target 2410 DUT.MYCTU Deoxyuridine 5'-triphosphate nucleotidohydro-lase | DB02333 Deoxyuridine -5'-Tr..  | 6941 | Target 3136 RNS.BOVIN Seminal ribonu- -lease precursor | DB02714 3'-Uridinemo -nophos..  |
| 6934 | Target 2410 DUT.MYCTU Deoxyuridine 5'-triphosphate nucleotidohydro-lase | DB03413 Deoxyuridine -5'-Di..  | | | |
| 6935 | Target 2410 DUT.MYCTU Deoxyuridine 5'-triphosphate nucleotidohydro-lase | DB03800 Dump  | | | |
| 6936 | Target 3056 PYRF.ECOLI Orotidine 5'-phosphate decarboxylase | DB02890 6-Hydroxyuri dine-5..  | | | |
| 6937 | Target 3188 ISPDF.CAMJE IspD/ispF bifunctional enzyme [Includes: 2-C-methyl-D- erythritol 4- phosphate cytidy- lyltransferase | DB03403 Cytidine-5'- Monoph..  | | | |
| 6938 | Target 3136 RNS.BOVIN Seminal ribonu- -lease precursor | DB04514 Phosphoric A cid-2'..  | | | |
| 6939 | Target 3136 RNS.BOVIN Seminal ribonu- -lease precursor | DB03447 Uridyl-2'- 5'-Pho..  | | | |
| 6940 | Target 3136 RNS.BOVIN Seminal ribonu- -lease precursor | DB02573 2'-Deoxycyti dine-2..  | | | |