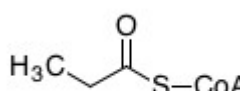




COMPOUND: C00100

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Entry	C00100				Compound			
Name	Propanoyl-CoA; Propionyl-CoA; Propionyl coenzyme A							
Formula	C24H40N7O17P3S							
Exact mass	823.1414							
Mol weight	823.5974							
Structure	<div></div> <div>C00100</div> <div><div>Mol file</div><div>KCF file</div><div>DB search</div></div>							
Reaction	R00918 R00919 R00920 R00921 R00922 R00923 R00925 R00926 R00927 R00928 R00930 R00931 R00932 R00934 R00935 R01199 R01449 R01859 R03719 R04432 R04546 R04811 R05330 R05373 R06414 R06644 R06987 R09097 R10161 R10974 R10998 R11773 R12356							
Pathway	map00280 Valine, leucine and isoleucine degradation map00410 beta-Alanine metabolism map00522 Biosynthesis of 12-, 14- and 16-membered macrolides map00622 Xylene degradation map00630 Glyoxylate and dicarboxylate metabolism map00640 Propanoate metabolism map00660 C5-Branched dibasic acid metabolism map00720 Carbon fixation pathways in prokaryotes map01056 Biosynthesis of type II polyketide backbone map01100 Metabolic pathways map01110 Biosynthesis of secondary metabolites map01120 Microbial metabolism in diverse environments map01200 Carbon metabolism map01210 2-Oxocarboxylic acid metabolism map01220 Degradation of aromatic compounds							
Module	M00013 Malonate semialdehyde pathway, propanoyl-CoA => acetyl-CoA M00373 Ethylmalonyl pathway M00375 Hydroxypropionate-hydroxybutylate cycle M00376 3-Hydroxypropionate bi-cycle M00569 Catechol meta-cleavage, catechol => acetyl-CoA / 4-methylcatechol => propanoyl-CoA M00741 Propanoyl-CoA metabolism, propanoyl-CoA => succinyl-CoA M00774 Erythromycin biosynthesis, propanoyl-CoA + methylmalonyl-CoA => deoxyerythronolide B => erythromycin A/B							
Network	nt06024 Valine, leucine and isoleucine degradation							
Enzyme	1.2.1.27 1.3.1.95 2.1.3.1 2.3.1.54 2.3.1.222 2.8.3.1 4.1.1.- 6.2.1.17		1.2.1.87 1.3.1.- 2.3.1.8 2.3.1.94 2.3.1.- 2.8.3.27 4.1.3.24 6.4.1.3		1.2.7.1 1.3.3.6 2.3.1.9 2.3.1.168 2.3.3.5 3.13.1.4 6.2.1.1		1.3.1.84 1.3.8.1 2.3.1.16 2.3.1.176 2.3.3.11 4.1.1.9 6.2.1.13	

Brite	Lipids [BR: br08002] FA Fatty acyls FA07 Fatty esters FA0705 Fatty acyl CoAs C00100 Propanoyl-CoA BRITE hierarchy
Other DBs	CAS: 317-66-8 PubChem: 3400 ChEBI: 15539 LIPIDMAPS: LMFA07050364 PDB-CCD: 1VU [PDBj] 3DMET: B04632 NIKKAJI: J1.695.704F
LinkDB	All DBs
KCF data	Show

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