

Methylmalonyl-Coenzyme A (sodium salt) Biochemical

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CATALOG #
AAA227272

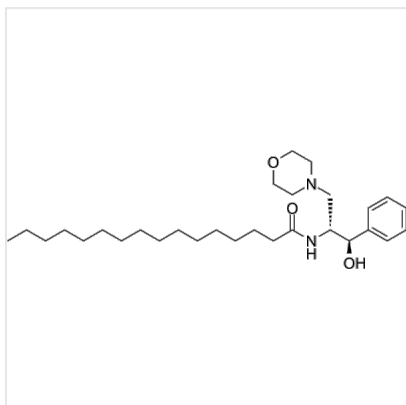
PRODUCT SYNONYMS

Methylmalonyl-Coenzyme A (sodium salt); Methylmalonyl-Coenzyme A (sodium salt) biochemical

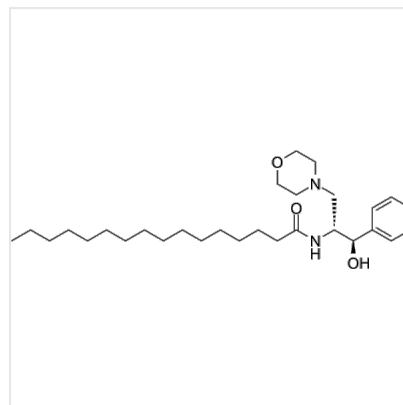
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
D-threo-PPMP, CAS 139889-53-5



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ADDITIONAL INFORMATION

Related Product Information for Methylmalonyl-Coenzyme A (sodium salt) biochemical	Methylmalonyl coenzyme A (methylmalonyl-CoA) is an intermediate in multiple metabolic pathways in bacteria and eukaryotes. ^{1,2,3} It is an intermediate in carbon assimilation in certain bacteria and carbon fixation in plants. ^{1,2} Methylmalonyl-CoA is converted to succinyl-CoA by methylmalonyl-CoA mutase with vitamin B12 as a coenzyme. ³ A deficiency in vitamin B12 leads to a build-up of methylmalonyl-CoA. ⁴
References	- Gouazé V, et, al. Glucosylceramide synthase blockade down-regulates P-glycoprotein and resensitizes multidrug-resistant breast cancer cells to anticancer drugs. Cancer Res. 2005 May 1;65(9):3861-7. - Hernandez Y. Novel role of sphingolipid synthesis genes in regulating giardial encystation. Infect Immun. 2008 Jul;76(7):2939-49. - Wu X, et, al. Liquid chromatography method for quantifying D-threo-1-phenyl-2-palmitoylamino-3-morpholino-1-propanol (D-threo-PPMP) in mouse plasma and liver. J Chromatogr B Analyt Technol Biomed Life Sci. 2006 Jun 6;837(1-2):44-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

