

3-Hydroxydecanedioic acid

Chemical Properties

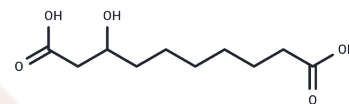
CAS No. : 68812-93-1

Formula: C₁₀H₁₈O₅

Molecular Weight: 218.25

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	3-hydroxydecanedioic acid can be found in ketoacidosis of urinary metabolites.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5819 mL	22.9095 mL	45.819 mL
5 mM	0.9164 mL	4.5819 mL	9.1638 mL
10 mM	0.4582 mL	2.291 mL	4.5819 mL
50 mM	0.0916 mL	0.4582 mL	0.9164 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tserng KY, Griffin RL, Kerr DS. Distinction of dicarboxylic aciduria due to medium-chain triglyceride feeding from that due to abnormal fatty acid oxidation and fasting in children. *Metabolism*. 1996 Feb;45(2):162-7. PubMed PMID: 8596483.

Bergoffen J, Kaplan P, Hale DE, Bennett MJ, Berry GT. Marked elevation of urinary 3-hydroxydecanedioic acid in a malnourished infant with glycogen storage disease, mimicking long-chain L-3-hydroxyacyl-CoA dehydrogenase deficiency. *J Inher Metab Dis*. 1993;16(5):851-6. PubMed PMID: 8295400.

Greter J, Lindstedt S, Seeman H, Steen G. 3-hydroxydecanedioic acid and related homologues: urinary metabolites in ketoacidosis. *Clin Chem*. 1980 Feb;26(2):261-5. PubMed PMID: 7353273.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481