Data Sheet (Cat.No.T0613)



3-Hydroxyisovaleric acid

Chemical Proper	ties	
CAS No. :	625-08-1	H ₃ C ►OH
Formula:	C5H10O3	X
Molecular Weight:	118.13	
Appearance:	no data available	∘₹
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	он

Biological Description

Description	3-Hydroxyisovaleric acid (Beta-Hydroxyisovaleric acid) is an endogenous metabolite excreted in the urine and can serve as an early and sensitive indicator of biotin deficiency.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information Solubility DMSO: 50 mg/mL (423.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)</td>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.4653 mL	42.3263 mL	84.6525 mL
5 mM	1.6931 mL	8.4653 mL	16.9305 mL
10 mM	0.8465 mL	4.2326 mL	8.4653 mL
50 mM	0.1693 mL	0.8465 mL	1.6931 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.

Reference

Sabourin PJ, Bieber LL. Arch Biochem Biophys. 1981 Jan;206(1):132-44.

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