

3-HIB

Chemical Properties

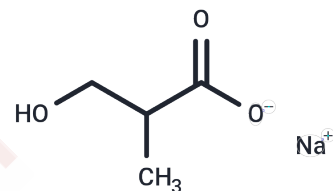
CAS No. : 1219589-99-7

Formula: C₄H₇NaO₃

Molecular Weight: 126.09

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-HIB is a paracrine regulator of transendothelial fatty acid transport.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.9308 mL	39.6542 mL	79.3084 mL
5 mM	1.5862 mL	7.9308 mL	15.8617 mL
10 mM	0.7931 mL	3.9654 mL	7.9308 mL
50 mM	0.1586 mL	0.7931 mL	1.5862 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

Mardinoglu A, Gogg S, Lotta LA, Stančáková A, Nerstedt A, Boren J, Blüher M, Ferrannini E, Langenberg C, Wareham NJ, Laakso M, Smith U. Elevated Plasma Levels of 3-Hydroxyisobutyric Acid Are Associated With Incident Type 2 Diabetes. *EBioMedicine*. 2018 Jan;27:151-155. doi: 10.1016/j.ebiom.2017.12.008. Epub 2017 Dec 7. PubMed PMID: 29246479; PubMed Central PMCID: PMC5828558.

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