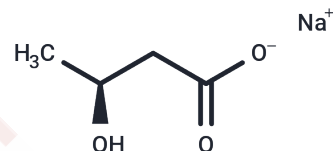


(S)-3-Hydroxybutyrate sodium

Chemical Properties

CAS No. :	127604-16-4
Formula:	C ₄ H ₇ NaO ₃
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	(S)-3-Hydroxybutyrate sodium (also known as (S)-Ethyl 3-hydroxybutanoate) is an ester formed by the condensation of ethanol and (S)-3-hydroxybutyric acid. It is characterized by its distinctively sweet, fruity aroma and taste, making it a popular flavoring agent and fragrance in the food and cosmetic industries. Furthermore, it serves as a valuable chiral starting material for the synthesis of various organic compounds, including pharmaceuticals and agrochemicals.
Targets(IC50)	Others

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

Tseng H C, Martin C H, Nielsen D R, et al. Metabolic engineering of Escherichia coli for enhanced production of (R)- and (S)-3-hydroxybutyrate[J]. Applied and environmental microbiology, 2009, 75(10): 3137-3145.

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