

(S)-Methyl 3-hydroxybutanoate

Chemical Properties

CAS No. : 53562-86-0

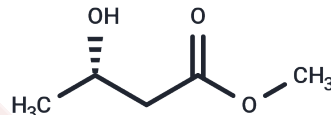
Formula: C₅H₁₀O₃

Molecular Weight: 118.1311

Pure form: -20°C for 3 years | In solvent: -80°C for 1

Storage: year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

(S)-Methyl 3-hydroxybutanoate is a compound characterized by a chiral center, resulting in two enantiomers, with this form being the stereoisomer where the hydroxy group is located at the S configuration on the third carbon atom of the carboxylic acid group. It is commonly employed as a foundational material in the synthesis of various pharmaceuticals and natural products. Due to its fruity aroma, it is also utilized as a component in flavors and fragrances.

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.

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.

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