

(R)-Methyl 3-hydroxybutanoate

Chemical Properties

CAS No. : 3976-69-0

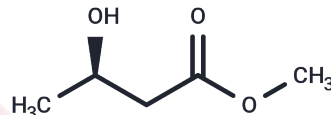
Formula: C₅H₁₀O₃

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	(R)-Methyl 3-hydroxybutanoate is an enantiomer where the hydroxyl (-OH) group on the third carbon atom is oriented to the right when viewed from the methyl (-CH ₃) group. It appears as a colorless and transparent liquid, soluble in organic solvents like ethanol and ether but insoluble in water. This compound is commonly used as a building block in the synthesis of various organic compounds, including pharmaceuticals, agrochemicals, and flavorings. Additionally, it serves as a chiral auxiliary in asymmetric synthesis reactions, which involve the stereoselective formation of chemical bonds.
Targets(IC50)	Others

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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