

Methyl 3-hydroxypropanoate

Chemical Properties

CAS No. :	6149-41-3
Formula:	C ₄ H ₈ O ₃
Molecular Weight:	104.105
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Methyl 3-hydroxypropanoate is a PROTAC linker compound, which belongs to the alkyl/ether family. It is commonly employed in the synthesis of PROTACs.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.6052 mL	48.0261 mL	96.0523 mL
5 mM	1.921 mL	9.6052 mL	19.2105 mL
10 mM	0.9605 mL	4.8026 mL	9.6052 mL
50 mM	0.1921 mL	0.9605 mL	1.921 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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