

3-Hydroxypropionic Acid sodium salt

Chemical Properties

CAS No. : 6487-38-3

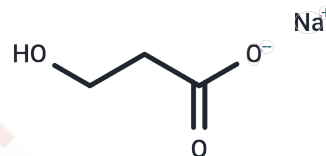
Formula: C₃H₅NaO₃

Molecular Weight: 112.06

Storage: Store at low temperature, Keep away from direct sunlight

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-Hydroxypropionic Acid sodium salt can be used to synthesize some degradable plastics and produce a series of C3 compounds.
Targets(IC50)	Others, Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 260 mg/mL (2320.19 mM), Sonication is recommended. DMSO: 1.67 mg/mL (14.9 mM), Sonication is recommended. PBS (pH 7.2): 10 mg/mL (89.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.9238 mL	44.619 mL	89.2379 mL
5 mM	1.7848 mL	8.9238 mL	17.8476 mL
10 mM	0.8924 mL	4.4619 mL	8.9238 mL
50 mM	0.1785 mL	0.8924 mL	1.7848 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

Hanko EKR, et al. Characterisation of a 3-hydroxypropionic acid-inducible system from *Pseudomonas putida* for orthogonal gene expression control in *Escherichia coli* and *Cupriavidus necator*. *Sci Rep.* 2017 May 11;7(1):1724.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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