

Lithium 2-hydroxypropanoate

Chemical Properties

CAS No. : 867-55-0

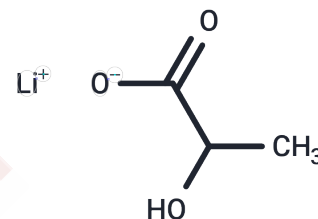
Formula: C₃H₅LiO₃

Molecular Weight: 96.01

Keep away from moisture

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	Lactic acid Lithium is a compound of lithium salt with lactic acid, which can be used for related research in the life sciences.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 4 mg/mL (41.66 mM),Sonication is recommended. DMSO: 8 mg/mL (83.32 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	10.4156 mL	52.0779 mL	104.1558 mL
5 mM	2.0831 mL	10.4156 mL	20.8312 mL
10 mM	1.0416 mL	5.2078 mL	10.4156 mL
50 mM	0.2083 mL	1.0416 mL	2.0831 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

Sato S, et al. Compatibility of salivary lactate dehydrogenase level using a test kit with the community periodontal index in Japanese adults. *Odontology*. 2025 Jul;113(3):1232-1238.

Todorović D, et al. Effects of four-week lasting aerobic treadmill training on hepatic injury biomarkers, oxidative stress parameters, metabolic enzymes activities and histological characteristics in liver tissue of hyperhomocysteinemic rats. *Mol Cell Biochem*. 2025 Apr;480(4):2511-2524.

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