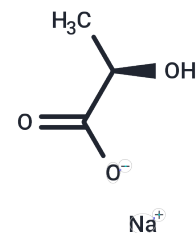


D-(-)-Lactic acid sodium

Chemical Properties

CAS No. :	920-49-0
Formula:	C ₃ H ₅ NaO ₃
Molecular Weight:	112.06
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	D-(-)-Lactic acid sodium (Sodium D-lactate) is a microbial metabolite and a chiral molecule commonly used in glycolysis-related studies. Among its isomers, the L-isomer is the most prevalent in biological systems.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (446.19 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

- Juturu V, et al. Microbial production of lactic acid: the latest development. Crit Rev Biotechnol. 2016 Dec;36(6):967-977.
- Zhang Y, Wu T, Li F, et al. FGF19 Is Coamplified With CCND1 to Promote Proliferation in Lung Squamous Cell Carcinoma and Their Combined Inhibition Shows Improved Efficacy. Frontiers in Oncology. 2022, 12

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481