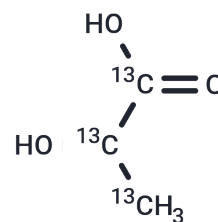


L-Lactic acid-13C3

Chemical Properties

CAS No. :	87684-87-5
Formula:	C3H6O3
Molecular Weight:	93.06
Storage:	Store at low temperature 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	L-Lactic acid-13C3 is a stable-isotope-labeled analog of L-Lactic acid (T4845) in which three carbon atoms are substituted with the non-radioactive 13C isotope, enabling precise tracing of lactate flux within metabolic pathways. L-Lactic acid-13C3 is widely used in metabolic profiling, isotope-tracing experiments, and studies of glycolytic reprogramming, offering high analytical sensitivity for quantifying lactate turnover in physiological and pathological settings.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80.00 mg/mL (859.66 mM),Sonication is recommended. H2O: ≥ 80 mg/mL,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	10.7458 mL	53.7288 mL	107.4576 mL
5 mM	2.1492 mL	10.7458 mL	21.4915 mL
10 mM	1.0746 mL	5.3729 mL	10.7458 mL
50 mM	0.2149 mL	1.0746 mL	2.1492 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

Ana Livia Chemeli Senedese, et al. L-lactic acid production by Lactobacillus rhamnosus ATCC 10863. ScientificWorldJournal. 2015;2015:501029.

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