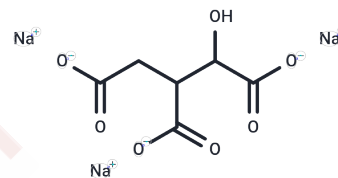


DL-Isocitric acid trisodium salt

Chemical Properties

CAS No. :	1637-73-6
Formula:	C ₆ H ₅ Na ₃ O ₇
Molecular Weight:	258.07
Storage:	Store under nitrogen, Keep away from moisture 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	DL-Isocitric acid trisodium salt is the protonated form of isocitrate, a substrate in the citric acid cycle. It is useful as a marker for determining the composition of isocitrates in fruit products, including fruit juices.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: 262.5 mg/mL (1017.17 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	3.8749 mL	19.3746 mL	38.7492 mL
5 mM	0.775 mL	3.8749 mL	7.7498 mL
10 mM	0.3875 mL	1.9375 mL	3.8749 mL
50 mM	0.0775 mL	0.3875 mL	0.775 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

Zhang Q, et al. A systematic study of the synthesis of silver nanoplates: is citrate a "magic" reagent? J Am Chem Soc. 2011 Nov 23;133(46):18931-9.

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