

D(-)-Tartaric acid

Chemical Properties

CAS No. : 526-83-0

Formula: C₄H₆O₆

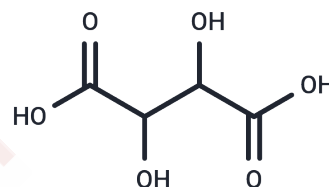
Molecular Weight: 150.09

Appearance: Solid

Storage:

keep away from direct sunlight, keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	D(-)-Tartaric acid found in many plants, particularly tamarinds and grapes, it is used to generate carbon dioxide through interaction with sodium bicarbonate following oral administration. Carbon dioxide extends the stomach and provides a negative contrast medium during double contrast radiography.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 100 mg/mL (666.27 mM), Sonication is recommended. DMSO: 55 mg/mL (366.45 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	6.6627 mL	33.3133 mL	66.6267 mL
5 mM	1.3325 mL	6.6627 mL	13.3253 mL
10 mM	0.6663 mL	3.3313 mL	6.6627 mL
50 mM	0.1333 mL	0.6663 mL	1.3325 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.

Reference

Danilewicz, John C . Role of Tartaric and Malic Acids in Wine Oxidation[J]. Journal of Agricultural and Food Chemistry, 2014, 62(22):5149-5155.

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