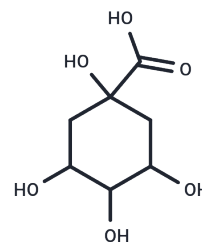


D-(-)-Quinic acid

Chemical Properties

CAS No. :	77-95-2
Formula:	C7H12O6
Molecular Weight:	192.17
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	D-(-)-Quinic acid (Kinic acid) is a cellular metal ion chelator, capable of promoting reactions with metal M(II,III) ions under pH-specific conditions. It may possess potent inhibition against alpha-mannosidase and alpha-fucosidase.
Targets(IC50)	Endogenous Metabolite, glycosidase, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 257.5 mg/mL (1339.96 mM), Sonication is recommended. H2O: 100 mg/mL (520.37 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	5.2037 mL	26.0186 mL	52.0373 mL
5 mM	1.0407 mL	5.2037 mL	10.4075 mL
10 mM	0.5204 mL	2.6019 mL	5.2037 mL
50 mM	0.1041 mL	0.5204 mL	1.0407 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.

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