

Quininic acid

Chemical Properties

CAS No. :	86-68-0
Formula:	C ₁₁ H ₉ NO ₃
Molecular Weight:	203.194
Storage:	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	Quinic acid is an organic acid extracted from the bark of Eucalyptus, Cinchona and other plants in the Asteraceae family.
Targets(IC50)	NMDAR
In vitro	Quinic acid serves a dual role as an astringent and a precursor for synthesizing novel pharmaceuticals. It is the predominant organic acid, constituting up to 86.3% (average value) of all organic acids, thereby representing its significant abundance. [1]

Solubility Information

Solubility	DMSO: 8.33 mg/mL (41.00 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	4.9215 mL	24.6075 mL	49.215 mL
5 mM	0.9843 mL	4.9215 mL	9.843 mL
10 mM	0.4922 mL	2.4608 mL	4.9215 mL
50 mM	0.0984 mL	0.4922 mL	0.9843 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

Shi J, et al. Seasonal changes of metabolites in phloem sap from *Broussonetia papyrifera*. bioRxiv, 2018: 317271.

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