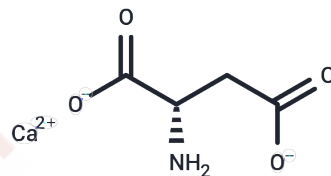


Aspartic acid calcium

Chemical Properties

CAS No. :	10389-09-0
Formula:	C ₄ H ₅ CaNO ₄
Molecular Weight:	171.16
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	Aspartic acid calcium (Calcium L-aspartate) is a chelate in which calcium is bonded to L-aspartic acid, an amino acid that acts as a building block for proteins in the body.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 100 mg/mL (584.25 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	5.8425 mL	29.2124 mL	58.4249 mL
5 mM	1.1685 mL	5.8425 mL	11.685 mL
10 mM	0.5842 mL	2.9212 mL	5.8425 mL
50 mM	0.1168 mL	0.5842 mL	1.1685 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

Mu'azu ND, et al. Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. J Hazard Mater. 2017 Aug 8;342:58-68.

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