Data Sheet (Cat.No.T2739)

TargetMol

Shikimic Acid

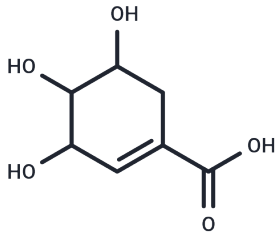
Chemical Properties

CAS No. : 138-59-0

Formula: C7H10O5

Molecular Weight: 174.15

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	Shikimic Acid (Shikimate) is a tri-hydroxy cyclohexene carboxylic acid important in the biosynthesis of so many compounds that the shikimate pathway is named after it.
Targets(IC50)	Endogenous Metabolite
In vivo	Shikimic acid, often appearing in its anionic form as shikimate, is a crucial biochemical intermediate within plants and microorganisms.

Solubility Information

Solubility	H2O: 142.86 mg/mL (820.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7422 mL	28.7109 mL	57.4218 mL
5 mM	1.1484 mL	5.7422 mL	11.4844 mL
10 mM	0.5742 mL	2.8711 mL	5.7422 mL
50 mM	0.1148 mL	0.5742 mL	1.1484 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

Brown SA, et al. Nature, 1955, 175(4459), 688-689.

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