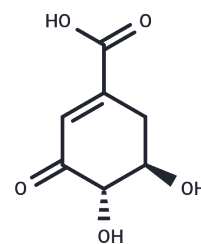


(-)-3-Dehydroshikimic acid

Chemical Properties

CAS No. :	2922-42-1
Formula:	C7H8O5
Molecular Weight:	172.14
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	(-)-3-Dehydroshikimic acid is a key intermediate in aromatic amino acid synthesis and exhibits antioxidant properties.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 200.00 mg/mL (1161.85 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	5.8092 mL	29.0461 mL	58.0923 mL
5 mM	1.1618 mL	5.8092 mL	11.6185 mL
10 mM	0.5809 mL	2.9046 mL	5.8092 mL
50 mM	0.1162 mL	0.5809 mL	1.1618 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

- Li K, et al. Microbial synthesis of 3-dehydroshikimic acid: a comparative analysis of D-xylose, L-arabinose, and D-glucose carbon sources. *Biotechnol Prog.* 1999 SepOct;15(5):876-83.
- Chang YC, et al. Antioxidant activity of 3-dehydroshikimic acid in liposomes, emulsions, and bulk oil. *J Agric Food Chem.* 2003 Apr 23;51(9):2753-7.

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