

3,3'-Di-O-methylellagic acid

Chemical Properties

CAS No. :	2239-88-5
Formula:	C16H10O8
Molecular Weight:	330.25
Storage:	Keep away from direct sunlight 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	3,3'-Di-O-methylellagic acid is a methylated ellagic acid derivative belongs to the polyphenol class of natural products. 3,3'-Di-O-methylellagic acid has been reported to affect acid tolerance-related phenotypes in mycobacteria while exerting minimal effects on overall bacterial growth. In addition, due to its antioxidant properties, 3,3'-Di-O-methylellagic acid is considered to have potential hepatoprotective effects.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 1.6 mg/mL (4.84 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	3.028 mL	15.140 mL	30.2801 mL
5 mM	0.6056 mL	3.028 mL	6.056 mL
10 mM	0.3028 mL	1.514 mL	3.028 mL
50 mM	0.0606 mL	0.3028 mL	0.6056 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

Kondo Y, et al. Specific inhibition of formation of acid-fastness in mycobacteria by 3,3'-di-O-methylellagic acid. *Experientia*. 1979 May 15;35(5):599-600.

Ito M, et al. Hepatoprotective compounds from *Canarium album* and *Euphorbia nematocypha*. *Chem Pharm Bull (Tokyo)*. 1990 Aug;38(8):2201-3.

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