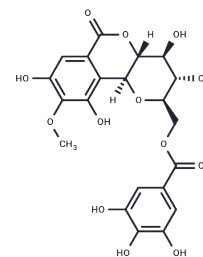


11-O-Galloylbergenin

Chemical Properties

CAS No. :	82958-44-9
Formula:	C ₂₁ H ₂₀ O ₁₃
Molecular Weight:	480.38
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	11-O-Galloylbergenin is isolated from of Mallotus philippinensis with antioxidant and antiplasmodial activities.
Targets(IC50)	Others,Antioxidant,Immunology/Inflammation related
In vivo	11-O-Galloylbergenin (20 and 40 mg/kg) shows analgesic activity against formalin test in rats and 11-O-Galloylbergenin(10-30 mg/kg) exhibits significant anti-inflammatory activity in carrageenan-induced paw edema model[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (114.49 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	2.0817 mL	10.4084 mL	20.8169 mL
5 mM	0.4163 mL	2.0817 mL	4.1634 mL
10 mM	0.2082 mL	1.0408 mL	2.0817 mL
50 mM	0.0416 mL	0.2082 mL	0.4163 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

Comparative antioxidant and antiplasmodial activities of 11-O-galloylbergenin and bergenin isolated from *Bergenia ligulata*. Trop Biomed. 2014 Mar;31(1):143-8.

Structure activity relationship of bergenin, p-hydroxybenzoyl bergenin, 11-O-galloylbergenin as potent antioxidant and urease inhibitor isolated from *Bergenia ligulata*. Nat Prod Res. 2015;29(24):2291-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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