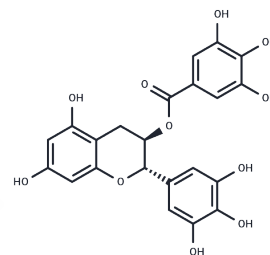


(-)-Gallocatechin gallate

Chemical Properties

CAS No. :	4233-96-9
Formula:	C ₂₂ H ₁₈ O ₁₁
Molecular Weight:	458.37
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(-)-Gallocatechin gallate ((-)-gallocatechin-3-O-gallate) is the polyphenol isolated from tea, with cancer-preventive activities. (-)-Gallocatechin gallate decreases osteoclastogenesis at 20 micromM.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 82 mg/mL (178.89 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone: Soluble, (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1816 mL	10.9082 mL	21.8164 mL
5 mM	0.4363 mL	2.1816 mL	4.3633 mL
10 mM	0.2182 mL	1.0908 mL	2.1816 mL
50 mM	0.0436 mL	0.2182 mL	0.4363 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.

Reference

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- Xiao T, Cui M, Zheng C, et al. Both Baicalein and Galocatechin Gallate Efficaciously Inhibit SARS-CoV-2 Replication by Targeting Mpro and Sepsis in Mice. Inflammation. 2021: 1-13.
- Ikeda I,et al. Heat-epimerized tea catechins rich in galocatechin gallate and catechin gallate are more effective to inhibit cholesterol absorption than tea catechins rich in epigallocatechin gallate and epicatechin gallate. J Agric Food Chem. 2003 Dec 3;51(25):7303-7.
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