

(-)-Epigallocatechin

Chemical Properties

CAS No. : 970-74-1

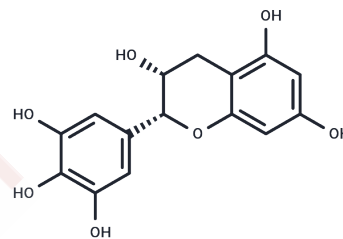
Formula: C₁₅H₁₄O₇

Molecular Weight: 306.27

Keep away from direct sunlight

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	(-)-Epigallocatechin, the predominant flavonoid in green tea, possesses the unique ability to attach to unfolded native polypeptides, thereby inhibiting their transformation into amyloid fibrils.
Targets(IC50)	MMP,Autophagy

Solubility Information

Solubility	H ₂ O: 25 mg/mL (81.63 mM),Sonication is recommended. DMSO: 125 mg/mL (408.14 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	3.2651 mL	16.3255 mL	32.6509 mL
5 mM	0.653 mL	3.2651 mL	6.5302 mL
10 mM	0.3265 mL	1.6325 mL	3.2651 mL
50 mM	0.0653 mL	0.3265 mL	0.653 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

Wang N, et al. J Agric Food Chem. 2015 Jan 26

Shim K S, Hwang Y H, Jang S A, et al. Water Extract of Lysimachia christinae Inhibits Trabecular Bone Loss and Fat Accumulation in Ovariectomized Mice. Nutrients. 2020, 12(7): 1927

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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