

Calycanthoside

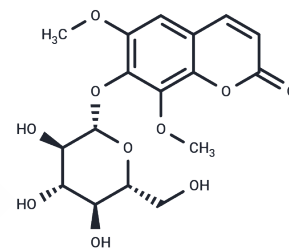
Chemical Properties

CAS No. : 483-91-0

Formula: C₁₇H₂₀O₁₀

Molecular Weight: 384.33

Storage: Store at low temperature, Keep away from direct sunlight
 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	Calycanthoside (Isofraxidin 7-O-beta-D-Glucoside) is a natural compound isolated from <i>Angelica tenuissima</i> . Calycanthoside shows anti-inflammatory and antibacterial effects.
Targets(IC50)	NO Synthase, Antifection
In vitro	NO production in the activated RAW 264.7 macrophages induced by LPS and IFN- γ is inhibited by Calycanthoside[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6019 mL	13.0097 mL	26.0193 mL
5 mM	0.5204 mL	2.6019 mL	5.2039 mL
10 mM	0.2602 mL	1.301 mL	2.6019 mL
50 mM	0.052 mL	0.2602 mL	0.5204 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

- Anti-inflammatory constituents of *Acanthopanax senticosus*. *China Medical Herald*, 2016, 13(13):20-3.
 Joo-Won Nam, et al. CHEMICAL CONSTITUENTS OF THE RADICES OF *Angelica tenuissima*. *Chemistry of Natural Compounds*, Vol. 50, No. 3, July, 2014.

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