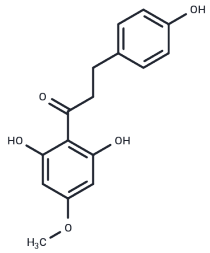
Data Sheet (Cat.No.TN3460)

TargetMol

Asebogenin

Chemical Properties



CAS No. : 520-42-3

Formula: C16H16O5

Molecular Weight: 288.3

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	Asebogenin is a compound fractionated from Salvia miltiorrhiza with antifungal activity, inhibition of GPVI-induced platelet reactions, and inhibition of NET formation induced by pro-inflammatory stimuli.
Targets(IC50)	Syk,Antifungal
In vitro	Asebogenin inhibited a series of GPVI-induced platelet responses and suppressed NETs formation induced by proinflammatory stimuli. Mechanistically, asebogenin directly interfered with the phosphorylation of Syk at Tyr525/526[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4686 mL	17.343 mL	34.6861 mL
5 mM	0.6937 mL	3.4686 mL	6.9372 mL
10 mM	0.3469 mL	1.7343 mL	3.4686 mL
50 mM	0.0694 mL	0.3469 mL	0.6937 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

Polat MF. Synthesis of Asebogenin and Balsacone A Precursor by a Novel Synthetic Strategy: Recent Opportunities for and Challenges of Total Synthesis of Balsacone A. Molecules. 2022 May 30;27(11):3523.
Li L,et al. Asebogenin suppresses thrombus formation via inhibition of Syk phosphorylation. Br J Pharmacol. 2023 Feb;180(3):287-307.

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