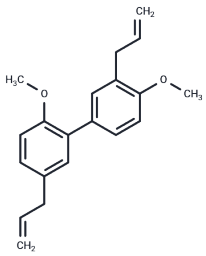
Data Sheet (Cat.No.TN7231)

TargetMol

Di-O-methylhonokiol

Chemical Properties



CAS No. : 68592-18-7

Formula: C20H22O2

Molecular Weight: 294.39

Storage: Store at low temperature
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	Di-O-methylhonokiol (Honokiol dimethyl ether), a phenolic component of Magnolia grandiflora L, exhibits antimicrobial activity and significant antioxidant activity against Gram-positive and acid-resistant bacteria and fungi.
Targets(IC50)	Antioxidant,Antibacterial,Antifungal

Solubility Information

Solubility	DMSO: 2.95 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3969 mL	16.9843 mL	33.9685 mL
5 mM	0.6794 mL	3.3969 mL	6.7937 mL
10 mM	0.3397 mL	1.6984 mL	3.3969 mL
50 mM	0.0679 mL	0.3397 mL	0.6794 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

Zhu M, et al. Synthesis and in vitro antitumor evaluation of honokiol derivatives. Bioorg Med Chem Lett. 2020;30 (2):126849.
Lin D, et al. Anti-proliferative activity and structure-activity relationship of honokiol derivatives. Bioorg Med Chem. 2019;27(16):3729-3734.

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