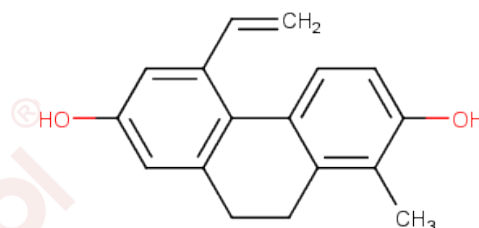


Effusol

Chemical Properties

CAS No. : 73166-28-6
Formula: C₁₇H₁₆O₂
Molecular Weight: 252.31
Appearance: no data available
Storage: store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Effusol is a natural product, exhibits potent scavenging activity for DPPH and ABTS radicals (IC ₅₀ values of 79 μM and 2.73 μM, respectively). Effusol rescues CA1 LTP attenuated by corticosterone, defending the hippocampal function against stress-induced cognitive decline. Effusol can induce caspase-3-mediated cytotoxicity in HT22 cells.
Targets(IC ₅₀)	Caspase

Solubility Information

Solubility	DMSO: 50 mg/mL (198.17 mM) <math>< 1\text{ mg/ml}</math> refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9634 mL	19.8169 mL	39.6338 mL
5 mM	0.7927 mL	3.9634 mL	7.9268 mL
10 mM	0.3963 mL	1.9817 mL	3.9634 mL
50 mM	0.0793 mL	0.3963 mL	0.7927 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

Chemical constituents isolated from *Juncus effusus* induce cytotoxicity in HT22 cells. J Nat Med. 2015 Jul;69(3):421-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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