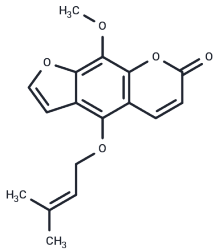
Data Sheet (Cat.No.TN1048)

TargetMol

Cnidilin

Chemical Properties



CAS No. : 14348-22-2

Formula: C17H16O5

Molecular Weight: 300.31

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	Cnidilin (Knidilin) is found in association with Angelica dahurica roots, has high BBB permeability and has pharmacokinetic potential in the treatment of CNS disorders.
Targets(IC50)	Others
In vitro	Cnidilin (10、20 μg/mL) percent inhibition of nitric oxide synthase expression at 53.7 % in lipopolysaccharide (1 ug/mL) stimulated RAW 264.7 cells at 20 ug/mL.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3299 mL	16.6495 mL	33.2989 mL
5 mM	0.666 mL	3.3299 mL	6.6598 mL
10 mM	0.333 mL	1.6649 mL	3.3299 mL
50 mM	0.0666 mL	0.333 mL	0.666 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

Lili W, et al. In vitro permeability analysis, pharmacokinetic and brain distribution study in mice of imperatorin, isoimperatorin and cnidilin in Radix Angelicae Dahuricae. Fitoterapia. 2013;85:144-153.

Wang CC, et al. Inducible nitric oxide synthase inhibitors of Chinese herbs. Part 2: naturally occurring furanocoumarins. Bioorg Med Chem. 2000;8(12):2701-2707.

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