

Scandoside

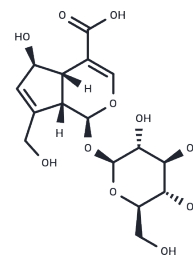
Chemical Properties

CAS No. : 18842-99-4

Formula: C₁₆H₂₂O₁₁

Molecular Weight: 390.34

Storage: Keep away from moisture, Keep away from direct sunlight, 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	Scandoside, a cyclic enolide that can be isolated from <i>Haemophilus difficilis</i> , exhibits anti-inflammatory activity, inhibits the expression levels of inducible nitric oxide synthase (iNOS), cyclooxygenase-2 (COX-2), TNF- α , and IL-6 messenger RNA (mRNA), and inhibits the nuclear transcription factor, kappa-B alpha ($\text{I}\kappa\text{B-}\alpha$), p38, extracellular signal-regulated kinase (ERK) and c-Jun N-terminal kinase (JNK) inhibitor phosphorylation.
Targets(IC50)	NF- κ B, MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5619 mL	12.8093 mL	25.6187 mL
5 mM	0.5124 mL	2.5619 mL	5.1237 mL
10 mM	0.2562 mL	1.2809 mL	2.5619 mL
50 mM	0.0512 mL	0.2562 mL	0.5124 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

Inouye H, et al. Studies on monoterpene glucosides. VII. Iridoid glucosides of *Paederia scandens*. Chem Pharm Bull (Tokyo). 1969 Sep;17(9):1942-8.

Calis I, et al. Flavonoid, iridoid, and lignan glycosides from *Putoria calabrica*. J Nat Prod. 2001 Jul;64(7):961-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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