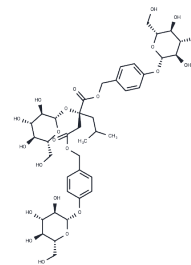


Dactylorhin A

Chemical Properties

CAS No. :	256459-34-4
Formula:	C40H56O22
Molecular Weight:	888.86
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Dactylorhin A, a succinate derivative ester isolated from the rhizomes of <i>Gymnadenia conopsea</i> , exhibits a moderate inhibitory effect on nitric oxide (NO) production in RAW 264.7 macrophage cells.
Targets(IC50)	NO Synthase
In vitro	Their structures were determined on the basis of extensive spectroscopic analyses. All compounds were evaluated for the inhibition on NO production effects in RAW 264.7 macrophage cells, while militarine (4) and Dactylorhin A (5) exhibited moderate inhibitory effects.

Solubility Information

Solubility	DMSO: 25 mg/mL (28.13 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.25 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.125 mL	5.6252 mL	11.2504 mL
5 mM	0.225 mL	1.125 mL	2.2501 mL
10 mM	0.1125 mL	0.5625 mL	1.125 mL
50 mM	0.0225 mL	0.1125 mL	0.225 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

Chemical constituents from *Bletilla striata* and their NO production suppression in RAW 264.7 macrophage cells. *J Asian Nat Prod Res.* 2018 Apr;20(4):385-390.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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