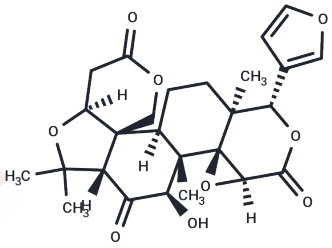
Data Sheet (Cat.No.TN2167)

TargetMol

Rutaevin

Chemical Properties



CAS No. :	33237-37-5
Formula:	C26H30O9
Molecular Weight:	486.51
Appearance:	Solid
Storage:	keep away from direct sunlight,keep away from moisture Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Rutaevin shows the inhibitory activity on nitric oxide (NO) production in lipopolysaccharide-activated RAW264.7 macrophages, it may be as a valuable anti-inflammatory agent.
Targets(IC50)	Reactive Oxygen Species,NO Synthase,ROS
In vitro	A new limonoid compound, named evorubodinin (1), was isolated from the dried and nearly ripe fruits of Euodia rutaecarpa (Juss.) Benth. var. bodinieri (Dode) Huang (family Rutaceae), together with two known limonoid compounds, limonin (2) and evolimorutanin (3). The chemical structure of 1 was elucidated by spectroscopic method and single-crystal X-ray diffraction. The inhibitory effects of the isolated compounds 1-3 and the structurally related compounds evodol (4), shihulimonin A1 (5), evodirutaenin (6), 12α±-hydroxyRutaevin (7), and Rutaevin (8) on nitric oxide (NO) production in lipopolysaccharide-activated RAW264.7 macrophages were also assayed[1]

Solubility Information

Solubility	DMSO: 60 mg/mL (123.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0555 mL	10.2773 mL	20.5546 mL
5 mM	0.4111 mL	2.0555 mL	4.1109 mL
10 mM	0.2055 mL	1.0277 mL	2.0555 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 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

Limonoid constituents of Euodia rutaecarpa var. bodinieri and their inhibition on NO production in lipopolysaccharide-activated RAW264.7 macrophages.J. Asian Nat. Prod. Res.,2013;15(10):1130-8.

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