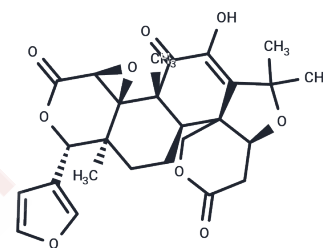


Evodol

Chemical Properties

CAS No. :	22318-10-1
Formula:	C ₂₆ H ₂₈ O ₉
Molecular Weight:	484.5
Storage:	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	Evodol may as an anti-inflammatory agent or lead compound, it shows inhibitory activity on nitric oxide (NO) production in lipopolysaccharide -activated RAW264.7 macrophages. Evodol and limonin possess larvicidal activity against the Asian tiger mosquitoes with LC50 values of 52.22 and 32.43 ug/ml, respectively.
Targets(IC50)	Others
In vitro	A new limonoid compound, named evorubodin (1), was isolated from the dried and nearly ripe fruits of <i>Euodia rutaecarpa</i> (Juss.) Benth. var. <i>bodinieri</i> (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), 12 α -hydroxyrutaevin (7), and rutaevin (8) on nitric oxide (NO) production in lipopolysaccharide-activated RAW264.7 macrophages were also assayed.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.064 mL	10.3199 mL	20.6398 mL
5 mM	0.4128 mL	2.064 mL	4.128 mL
10 mM	0.2064 mL	1.032 mL	2.064 mL
50 mM	0.0413 mL	0.2064 mL	0.4128 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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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