

Eichlerianic acid

Chemical Properties

CAS No. : 56421-13-7

Formula: C₃₀H₅₀O₄

Molecular Weight: 474.73

Storage: Keep away from direct sunlight, Keep away from moisture, 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	Eichlerianic acid is a natural tetracyclic triterpenoid isolated from the plant <i>Dysoxylum lenticellatum</i> . Eichlerianic acid exhibits anti-herpes simplex virus (HSV-1 and HSV-2) activity.
Targets(IC50)	HSV
In vitro	Method: Vero cells (African green monkey kidney cells) were infected with herpes simplex virus type 1 (HSV-1) or type 2 (HSV-2) and then continuously exposed to Eichlerianic acid (1-10 µg/mL) for 48 h. Antiviral activity was evaluated by observing the cytopathic effect (CPE). Result: Eichlerianic acid exhibited in vitro antiviral activity against HSV-1 and HSV-2, with IC ₅₀ values of 7.0 µg/mL and 8.0 µg/mL, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1065 mL	10.5323 mL	21.0646 mL
5 mM	0.4213 mL	2.1065 mL	4.2129 mL
10 mM	0.2106 mL	1.0532 mL	2.1065 mL
50 mM	0.0421 mL	0.2106 mL	0.4213 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

Poehland BL, et al. In vitro antiviral activity of dammar resin triterpenoids. J Nat Prod. 1987;50(4):706-713.

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