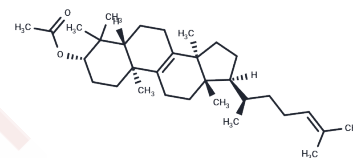


Euphol acetate

Chemical Properties

CAS No. :	13879-04-4
Formula:	C ₃₂ H ₅₂ O ₂
Molecular Weight:	468.75
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	Euphol acetate, a triterpene found in Euphorbia broteri, has demonstrated inhibitory effects on the hepatic transport proteins known as organic anion-transporting polypeptide 1/3 (OATP1B1/3).
Targets(IC50)	OAT,Others
In vitro	Euphol acetate, at a concentration of 10 μ M, significantly reduces sodium fluorescein uptake, a known OATP1B substrate, in CHO cells transfected with either OATP1B1 (by 29.2%) or OATP1B3 (by 40.2%)[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1333 mL	10.6667 mL	21.3333 mL
5 mM	0.4267 mL	2.1333 mL	4.2667 mL
10 mM	0.2133 mL	1.0667 mL	2.1333 mL
50 mM	0.0427 mL	0.2133 mL	0.4267 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

DePascual Teresa, et al. Triterpenes from Euphorbia broteri. Phytochemistry. 1987. 26(6): 1767-1776.

Tom De Bruyn, et al. Structure-based identification of OATP1B1/3 inhibitors. Mol Pharmacol. 2013 Jun;83(6):1257-67.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481