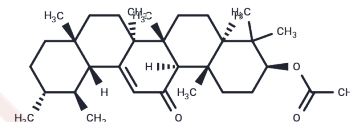


3β-Acetoxyurs-12-en-11-one

Chemical Properties

CAS No. :	2348-66-5
Formula:	C32H50O3
Molecular Weight:	482.74
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	3β-Acetoxyurs-12-en-11-one (11-Ketoamyrinacetate) is an ursane triterpene natural product present in the stem bark of <i>Morus mesozygia</i> and the leaves of <i>Ficus hirta</i> Vahl (Moraceae).
Targets(IC50)	Antibacterial, Antibiotic, Antifungal
In vitro	3β-Acetoxyurs-12-en-11-one demonstrates broad-spectrum antimicrobial activity against fungi, gram-negative bacteria, and gram-positive bacteria, with a minimum microbicidal concentration of 312-625 µg/mL [2].

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0715 mL	10.3575 mL	20.7151 mL
5 mM	0.4143 mL	2.0715 mL	4.143 mL
10 mM	0.2072 mL	1.0358 mL	2.0715 mL
50 mM	0.0414 mL	0.2072 mL	0.4143 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

- Zhang QY, et al. A new triterpenoid from *Stelmatocrypton khasianum*. *J Asian Nat Prod Res.* 2000;2(2):81-86.
- Kuete V, et al. Antimicrobial activity of the methanolic extract and compounds from *Morus mesozygia* stem bark. *J Ethnopharmacol.* 2009 Jul 30;124(3):551-5.

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