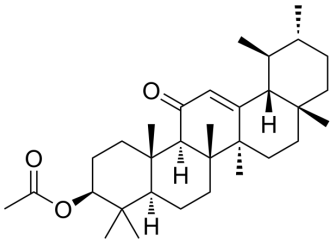
3β-Acetoxyurs-12-en-11-one

Cat. No.:	HY-N10600
CAS No.:	2348-66-5
Molecular Formula:	$C_{32}H_{50}O_3$
Molecular Weight:	482.74
Target:	Antibiotic; Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3β-Acetoxyurs-12-en-11-one is a ursane triterpenoid with antimicrobial activity, can be isolated from the stem bark of Morus mesozygia and the leaves of Ficus hirta Vahl (Moraceae)[1][2].
In Vitro	3β-Acetoxyurs-12-en-11-one (78-625 μg/mL) shows a extensive antimicrobial activity against gram-negative bacteria, gram-positive bacteria, and fungi, with the minimal microbicidal concentration of 312 and 625 μg/mL[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Thien DD, et al. Ursane Triterpenoids from the Leaves of Ficus hirta. Chem Nat Compd, 2021. 57:695-697.

[2]. 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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA