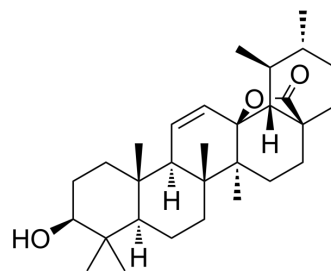


3β-Hydroxyurs-11-en-28,13β-olide

Cat. No.:	HY-N1814
CAS No.:	35959-05-8
Molecular Formula:	C ₃₀ H ₄₆ O ₃
Molecular Weight:	454.68
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3β-Hydroxyurs-11-en-28,13β-olide (11,12-Dehydroursolic acid lactone) is a triterpenoid that can be found in <i>Fadogia tetraquetra</i> var. <i>tetraquetra</i> ^[1] . 3β-Hydroxyurs-11-en-28,13β-olide shows antibacterial activity ^[1] .
In Vitro	3β-Hydroxyurs-11-en-28,13β-olide (compound 2) (50 μM; 24 h) shows antibacterial activity with inhibition rates of 3.6, 4.2, -3.8, 1.8% for <i>Enterobacter aerogenes</i> , <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> ^[1] . 3β-Hydroxyurs-11-en-28,13β-olide (50 μM) inhibits Semliki Forest virus (SFV) replication with an inhibition rate of 48% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mulholland DA, et al. Triterpenoid acids and lactones from the leaves of *Fadogia tetraquetra* var. *tetraquetra* (Rubiaceae). *Nat Prod Commun.* 2011 Nov;6(11):1573-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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