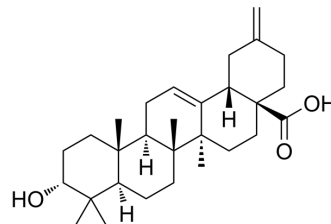


3 α -Akebonoic acid

Cat. No.:	HY-N1820
CAS No.:	104777-61-9
Molecular Formula:	C ₂₉ H ₄₄ O ₃
Molecular Weight:	440.66
Target:	Bacterial; Glucosidase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3 α -Akebonoic acid is a α -glucosidase inhibitor with an IC ₅₀ value of 0.035 mM. 3 α -Akebonoic acid shows antibacterial activity and cytotoxicity ^[1] .
In Vitro	3 α -Akebonoic acid (compound 5) (0-100 μ M; 24 h) shows cytotoxicity with IC ₅₀ s of 10.59, 5.61, 10.39 μ M for A549, HeLa, HepG2 cells, respectively ^[1] . 3 α -Akebonoic acid (0-200 μ g/mL) shows antibacterial activity with MIC value of 25, 50 μ g/mL for Bacillus cereus (CMCC63302), Bacillus subtilis (CMCC63501), respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang J, et al. Bioactive 30-noroleanane triterpenes from the pericarps of Akebia trifoliata. Molecules. 2014 Apr 4;19(4):4301-12.

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

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