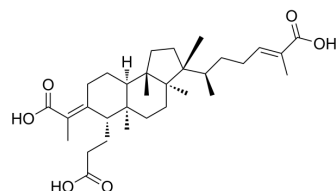


(24E)-3,4-Secocucurbita-4,24-diene-3,26,29-trioic acid

Cat. No.:	HY-N1783
CAS No.:	329975-47-5
Molecular Formula:	C ₃₁ H ₄₈ O ₆
Molecular Weight:	516.71
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(24E)-3,4-Secocucurbita-4,24-diene-3,26,29-trioic acid is a potent PTP1B inhibitor, with an IC ₅₀ of 0.4 μM. (24E)-3,4-Secocucurbita-4,24-diene-3,26,29-trioic acid exhibits potent PTP1B inhibitory activity without cytotoxicity ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.4 μM (PTP1B) ^[1]
In Vitro	(24E)-3,4-Secocucurbita-4,24-diene-3,26,29-trioic acid has little growth inhibitory effects against human cancer cell lines Huh-7 (hepatoma) and EJ-1 (bladder), up to 50 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Maarisit W, et al. Protein tyrosine phosphatase 1B inhibitory properties of seco-cucurbitane triterpenes obtained from fruiting bodies of *Russula lepida*. *J Nat Med*. 2017 Jan;71(1):334-337.

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