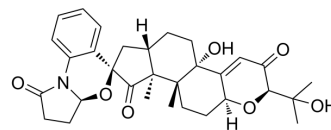


## Penpaxilloids A

Cat. No.:	HY-N12761
Molecular Formula:	C <sub>31</sub> H <sub>37</sub> NO <sub>7</sub>
Molecular Weight:	535.63
Target:	Phosphatase; Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Penpaxilloids A (Compound 1) is a non-competitive inhibitor of protein tyrosine phosphatase 1B (PTP1B) with an IC<sub>50</sub> value of 8.60 μM. Penpaxilloids A can be isolated from the fungus *Penicillium* sp. ZYX-Z-143. Penpaxilloids A are also α-glucosidase (α-glucosidase) inhibitors and have anti-inflammatory activity<sup>[1]</sup>.

### REFERENCES

[1]. Dai LT, et al. Anti-diabetic and anti-inflammatory indole diterpenes from the marine-derived fungus *Penicillium* sp. ZYX-Z-143. *Bioorg Chem.* 2024 Apr;145:107205.

**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