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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

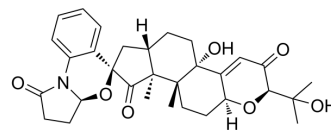
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Penpaxilloids A

Cat. No.:	HY-N12761
Molecular Formula:	C ₃₁ H ₃₇ NO ₇
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 IC₅₀ 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^[1].

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