



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



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) 

PRODUCT INFORMATION



Destruxin B

Item No. 20429

CAS Registry No.: 2503-26-6
Formal Name: cyclo[N-methyl-L-alanyl-β-alanyl-(2R)-2-hydroxy-4-methylpentanoyl-L-prolyl-L-isoleucyl-N-methyl-L-valyl]

Synonyms: SB 242536, NSC 236580

MF: C₃₀H₅₁N₅O₇

FW: 593.8

Purity: ≥95%

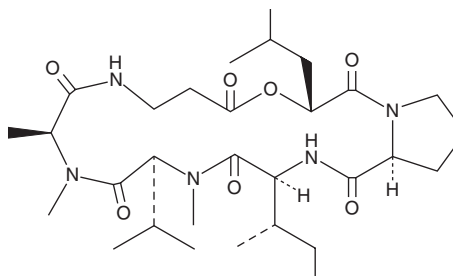
Supplied as: A crystalline solid

Storage: -20°C

Stability: ≥2 years

Special Conditions: Protect from moisture; avoid direct light

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.



Laboratory Procedures

Destruxin B is supplied as a crystalline solid. A stock solution may be made by dissolving the destruxin B in the solvent of choice, which should be purged with an inert gas. Destruxin B is soluble in organic solvents such as DMSO and dichloromethane. The solubility of destruxin B in these solvents is approximately 10 mg/ml.

Description

Destruxin B is a cyclic hexadepsipeptide mycotoxin first isolated from *O. destructor*.¹ It has insecticidal and phytotoxic activity and is prone to metabolization by plants.^{2,3} Destruxin B also induces apoptosis in human non-small cell lung cancer cells in culture.⁴

References

1. Pedras, M., Zaharia, L. I. and Ward, D. E. The destruxins: Synthesis, biosynthesis, biotransformation, and biological activity. *Phytochemistry* **59(6)**, 579-596 (2002).
2. Berthiller, F., Crews, C., Dall'Asta, C., et al. Masked mycotoxins: A review. *Mol. Nutr. Food Res.* **57**, 165-186 (2013).
3. Pedras, M. S., Zaharia, I. L., Gai, Y., et al. In planta sequential hydroxylation and glycosylation of a fungal phytotoxin: Avoiding cell death and overcoming the fungal invader. *Proc. Natl. Acad. Sci. USA* **98(2)**, (2001).
4. Wu, C.-C., Chen, T.-H., Liu, B.-L., et al. Destruxin B isolated from entomopathogenic fungus *Metarhizium anisopliae* induces apoptosis via a Bcl-2 family-dependent mitochondrial pathway in human nonsmall cell lung cancer cells. *Evid. Based Complement. Alternat. Med.* **2013:548929** (2013).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 06/29/2022

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD

ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897

[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM

WWW.CAYMANCHEM.COM