



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

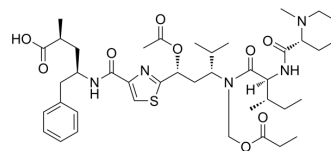
mail@szabo-scandic.com

www.szabo-scandic.com

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

Tubulysin F

Cat. No.:	HY-N7049
CAS No.:	368870-67-1
Molecular Formula:	C ₄₁ H ₆₁ N ₅ O ₉ S
Molecular Weight:	800.02
Target:	ADC Cytotoxin; Microtubule/Tubulin
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tubulysin F is a highly cytotoxic anti-microtubule toxin (anti-microtubule toxins) that is synthesized as an ADC cytotoxin (ADC Cytotoxin). Tubulysin F can be isolated from the myxobacteria *Archangium geophyra* and *Angiococcus disciformis*. Tubulysin F displays extremely potent cytotoxic activity in mammalian cells, including multidrug-resistant cell lines, with IC₅₀ values in the low nanomolar range. Tubulysin F inhibits microtubule/Tubulin polymerization and leads to cell cycle arrest and apoptosis^{[1][2]}.

REFERENCES

- [1]. Kubicek K, et al. The tubulin-bound structure of the antimitotic drug tubulysin. *Angew Chem Int Ed Engl*. 2010 Jun 28;49(28):4809-12.
- [2]. Vlahov IR, et al. Acid mediated formation of an N-acyliminium ion from tubulysins: a new methodology for the synthesis of natural tubulysins and their analogs. *Bioorg Med Chem Lett*. 2011 Nov 15;21(22):6778-81.

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