



# 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

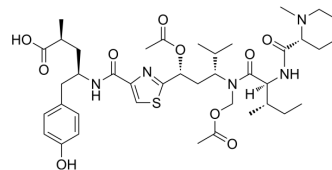
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Tubulysin I

Cat. No.:	HY-N7052
CAS No.:	799822-10-9
Molecular Formula:	C <sub>40</sub> H <sub>59</sub> N <sub>5</sub> O <sub>10</sub> S
Molecular Weight:	801.99
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 I is a highly cytotoxic anti-microtubule toxin (anti-microtubule toxins) that is synthesized as an ADC cytotoxin (ADC Cytotoxin). Tubulysin I can be isolated from the myxobacteria *Archangium geophyra* and *Angiococcus disciformis*. Tubulysin I displays extremely potent cytotoxic activity in mammalian cells, including multidrug-resistant cell lines, with IC<sub>50</sub> values in the low nanomolar range. Tubulysin I inhibits microtubule/tubulin polymerization and leads to cell cycle arrest and apoptosis<sup>[1][2]</sup>.

### 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