



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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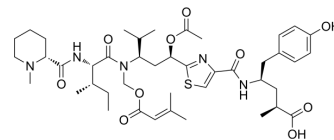
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## Tubulysin G

<b>Cat. No.:</b>	HY-N7050
<b>CAS No.:</b>	799822-08-5
<b>Molecular Formula:</b>	C <sub>43</sub> H <sub>63</sub> N <sub>5</sub> O <sub>10</sub> S
<b>Molecular Weight:</b>	842.05
<b>Target:</b>	ADC Cytotoxin; Microtubule/Tubulin
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tubulysin G is a highly cytotoxic anti-microtubule toxin (anti-microtubule toxins) that is synthesized as an ADC cytotoxin (ADC Cytotoxin). Tubulysin G can be isolated from the myxobacteria *Archangium geophyra* and *Angiococcus disciformis*. Tubulysin G 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 G 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.**

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