



# 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

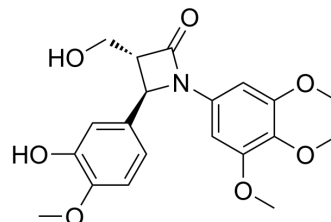
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Tubulin inhibitor 42

Cat. No.:	HY-160853
CAS No.:	2135713-96-9
Molecular Formula:	C <sub>20</sub> H <sub>23</sub> NO <sub>7</sub>
Molecular Weight:	389.4
Target:	Apoptosis; Microtubule/Tubulin
Pathway:	Apoptosis; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tubulin inhibitor 42 dose-dependently inhibited the activity of β-microtubulin (IC<sub>50</sub> = 3.5 μM). Tubulin inhibitor 42 interferes with microtubule dynamic homeostasis, resulting in the arrest of the cancer cell cycle in the G2/M phase and inducing apoptosis. Tubulin inhibitor 42 significantly inhibits the angiogenic process in vitro and in vivo, preventing vascularization and tumor growth<sup>[1]</sup>.

### REFERENCES

[1]. Zhou P, et al. Design, synthesis, biological evaluation and cocrystal structures with tubulin of chiral β-lactam bridged combretastatin A-4 analogues as potent antitumor agents. *Eur J Med Chem.* 2018 Jan 20;144:817-842.

**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