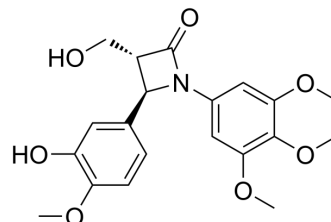


Tubulin inhibitor 42

Cat. No.:	HY-160853
CAS No.:	2135713-96-9
Molecular Formula:	C ₂₀ H ₂₃ NO ₇
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 (IC₅₀ = 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^[1].

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