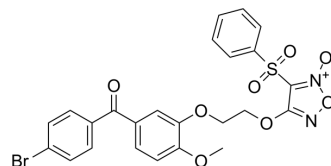


Antitumor agent-42

Cat. No.:	HY-144331
CAS No.:	2763621-91-4
Molecular Formula:	C ₂₄ H ₁₉ BrN ₂ O ₈ S
Molecular Weight:	575.39
Target:	Microtubule/Tubulin; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-42 (Compound 15h) is a bifunctional agent exhibiting both tubulin polymerized inhibition and NO-releasing activities, resulting in potent anti-angiogenesis, colony formation inhibition, cell cycle arrest and apoptosis induction effects [1].
In Vitro	Antitumor agent-42 (Compound 15h) is a potent antitumor agent, which towards A2780, MDA-MB-231, HCT-116 and A549 cells with IC ₅₀ values of 0.012, 0.015, 0.011 and 0.008 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	In the nude mice xenograft model, antitumor agent-42 significantly inhibited the paclitaxel-resistant tumor growth with low toxicity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xin Huang, et al. Synthesis and biological evaluation of novel hybrids of phenylsulfonyl furoxan and phenstatin derivatives as potent anti-tumor agents. Eur J Med Chem. 2022 Feb 15; 230:114112.

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