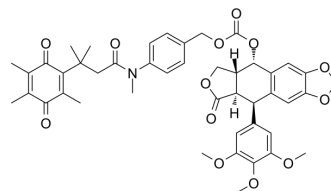


Antitumor agent-67

Cat. No.:	HY-146114
CAS No.:	2820146-10-7
Molecular Formula:	C ₄₅ H ₄₇ NO ₁₃
Molecular Weight:	809.85
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-67 (compound 3) is a potent antitumor agent. Antitumor agent-67 has highly selective toxicity to cancer cells and lower damage to normal cells. Antitumor agent-67 can be activated by NQO1 and effectively liberate podophyllotoxin and kill tumor cells. Antitumor agent-67 significantly suppresses cancer growth in HepG2 xenograft models without obvious toxicity ^[1] .
IC₅₀ & Target	NQO1 ^[1]
In Vitro	Antitumor agent-67 (compound 3) has antiproliferative activity against HepG2, A549, LO2, HepG2/Hyp, A549/Hyp and A549/T with IC ₅₀ s of 84 ± 9 μM, 100 ± 19 μM, 312 ± 34 μM, 113 ± 13 μM, 185 ± 24 μM and 197 ± 29 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Qu Y, et al. Synthesis and biological evaluation of NQO1-activated prodrugs of podophyllotoxin as antitumor agents. *Bioorg Med Chem.* 2020;28(24):115821.

Caution: Product has not been fully validated for medical applications. For research use only.

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