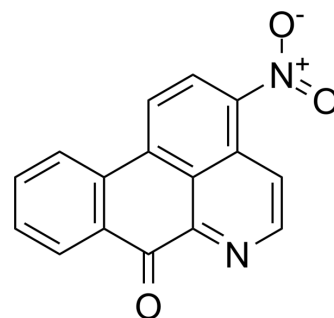


Antitumor agent-43

Cat. No.:	HY-144340
CAS No.:	2766035-37-2
Molecular Formula:	C ₁₆ H ₈ N ₂ O ₃
Molecular Weight:	276.25
Target:	DNA/RNA Synthesis; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-43 (Compound 4B) is a potent antitumor agent, with an IC ₅₀ of 0.5 μM for (T-24 cell). Antitumor agent-43 (Compound 4B) induces cell cycle arrest at G2/M phase ^[1] .
In Vitro	Antitumor agent-43 towards T-24, MGC80-3, SK-OV-3, HepG2 cells with IC ₅₀ of 0.5, 1.1, 8.9 and 1.3 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Antitumor agent-43 effectively inhibits tumor growth (49.5%) in a mouse xenograft model bearing T-24. ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lan-Shan Liao, et al. One-pot synthesis of oxoaporphines as potent antitumor agents and investigation of their mechanisms of actions. Eur J Med Chem

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

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