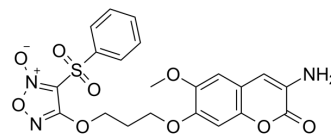


Antitumor agent-62

Cat. No.:	HY-146093
CAS No.:	2460735-29-7
Molecular Formula:	C ₂₁ H ₁₉ N ₃ O ₉ S
Molecular Weight:	489.46
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-62 (Compound 47) is a NO-releasing antitumor agent. Antitumor agent-62 shows antiproliferative activity against four cancer cell lines. Antitumor agent-62 activates mitochondrial apoptosis pathway and arrests cell cycle at G2/M phase ^[1] .
In Vitro	Antitumor agent-62 (Compound 47) shows antiproliferative activity with IC ₅₀ values of 1.23 ± 0.10, 1.91 ± 0.14, 2.81 ± 0.13, 4.18 ± 0.15 and 9.16 ± 0.38 μM against MDA-MB-231, MCF-7, HepG2, A549 and LO2 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shi Z, et al. Novel NO-releasing scopoletin derivatives induce cell death via mitochondrial apoptosis pathway and cell cycle arrest. *Eur J Med Chem.* 2020 Aug 15;200:112386.

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

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