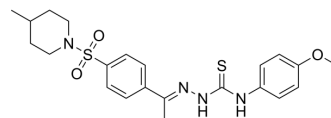


Apoptotic agent-4

Cat. No.:	HY-158233
Molecular Formula:	C ₂₂ H ₂₈ N ₄ O ₃ S ₂
Molecular Weight:	460.61
Target:	Apoptosis; VEGFR
Pathway:	Apoptosis; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Apoptotic agent-4 (Compound 9) is a apoptosis inducer. Apoptotic agent-4 inhibits VEGFR-2 with an IC ₅₀ of 0.5717 μM. Apoptotic agent-4 inhibits cancer cell proliferation and arrests the cell at both the G2/M and Pre-G1 phases ^[1] .
IC ₅₀ & Target	VEGFR2 0.5717 μM (IC ₅₀)
In Vitro	Apoptotic agent-4 shows anti-proliferative effects against HCT-116, HepG-2, MCF-7 cells with IC ₅₀ s of 8.05, 5.15, 9.77 μM respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Elgammal WE, et al. Design, synthesis, and anticancer evaluation of N-sulfonylpiperidines as potential VEGFR-2 inhibitors, apoptotic inducers. *Bioorg Chem.* 2024 Apr;145:107157.

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

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