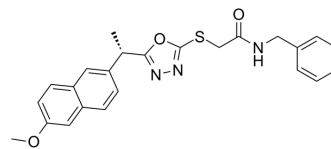


VEGFR-2-IN-14

Cat. No.:	HY-144795
Molecular Formula:	C ₂₄ H ₂₃ N ₃ O ₃ S
Molecular Weight:	433.52
Target:	VEGFR; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VEGFR-2-IN-14 (Compound 5) is a potent VEGFR-2 inhibitor. VEGFR-2-IN-14 arrests the HepG2 cell growth at the Pre-G1 phase and induces apoptosis ^[1] .
IC₅₀ & Target	VEGFR2
In Vitro	VEGFR-2-IN-14 (Compound 5) shows cytotoxic activities with IC ₅₀ values of 9.7 ± 0.75 μM and 8.8 ± 0.69 μM against MCF-7 and HepG2 cells, respectively ^[1] . VEGFR-2-IN-14 shows VEGFR-2 inhibitory effects with concentrations of 610.4 pg/ml ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hagrais M, et al. 1,3,4-Oxadiazole-naphthalene hybrids as potential VEGFR-2 inhibitors: design, synthesis, antiproliferative activity, apoptotic effect, and in silico studies. J Enzyme Inhib Med Chem. 2022 Dec;37(1):380-396.

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

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