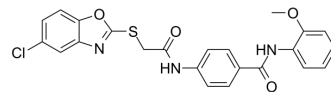


VEGFR-2-IN-15

Cat. No.:	HY-144796
Molecular Formula:	C ₂₃ H ₁₈ ClN ₃ O ₄ S
Molecular Weight:	467.92
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-15 (Compound 14b) is a potent VEGFR-2 inhibitor. VEGFR-2-IN-15 arrests the HepG2 cell growth at the Pre-G1 phase and induces apoptosis ^[1] .
IC ₅₀ & Target	VEGFR2
In Vitro	VEGFR-2-IN-15 (Compound 14b) shows cytotoxic activities with IC ₅₀ values of 4.754 ± 0.21 μM and 4.61 ± 0.34 μM against MCF-7 and HepG2 cells, respectively ^[1] . VEGFR-2-IN-15 shows the highest activities with VEGFR-2 protein concentrations of 705.7 pg/ml ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Elkady H, et al. New benzoxazole derivatives as potential VEGFR-2 inhibitors and apoptosis inducers: design, synthesis, anti-proliferative evaluation, flowcytometric analysis, and in silico studies. J Enzyme Inhib Med Chem. 2022 Dec;37(1):397-410.

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

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