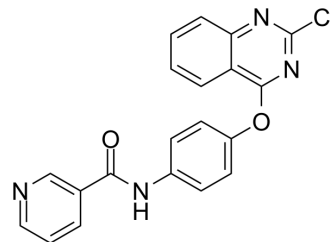


VEGFR-2-IN-18

Cat. No.:	HY-144805
Molecular Formula:	C ₂₀ H ₁₃ ClN ₄ O ₂
Molecular Weight:	376.8
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-18 (Compound 15d) is a potent VEGFR-2 inhibitor with an IC ₅₀ of 60 nM. VEGFR-2-IN-18 induces cell apoptosis. VEGFR-2-IN-18 shows antitumor activities ^[1] .
IC₅₀ & Target	VEGFR2 60 nM (IC ₅₀)
In Vitro	VEGFR-2-IN-18 (Compound 15d) shows antiproliferative activities with IC ₅₀ values of 24.10 ± 2.12, 40.90 ± 3.46, 33.40 ± 2.92 and 221.25 ± 2.55 μM against HepG2, PC3, MCF-7 and WI-38 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Abdallah AE, et al. Synthesis, biological evaluation, and molecular docking of new series of antitumor and apoptosis inducers designed as VEGFR-2 inhibitors. J Enzyme Inhib Med Chem. 2022 Dec;37(1):573-591.

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

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