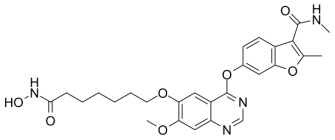
VEGFR2/HDAC1-IN-1

Cat. No.:	HY-149630
Molecular Formula:	$C_{27}H_{30}N_4O_7$
Molecular Weight:	522.55
Target:	VEGFR; HDAC; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VEGFR2/HDAC1-IN-1 (compound 13) is a potent VEGFR-2/HDAC dual inhibitor, with IC_{50}s of 57.83 nM and 9.82 nM, respectively. VEGFR2/HDAC1-IN-1 arrests the cell cycle at the S and G2 phases, and induces apoptosis in HeLa cells. VEGFR2/HDAC1-IN-1 exhibits anti-angiogenic effect[1].	
IC_{50} & Target	VEGFR-2 57.83 nM (IC_{50})	HDAC 9.82 nM (IC_{50})

REFERENCES

[1]. Gao Y, et, al. Design, synthesis and biological evaluation of VEGFR-2/HDAC dual inhibitors as multitargeted antitumor agents based on fruquintinib and vorinostat. RSC Adv. 2023 Sep 27;13(41):28462-28480.

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