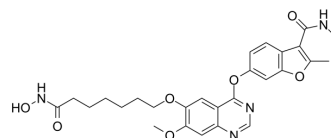


## VEGFR2/HDAC1-IN-1

Cat. No.:	HY-149630
CAS No.:	3024922-89-9
Molecular Formula:	C <sub>27</sub> H <sub>30</sub> N <sub>4</sub> O <sub>7</sub>
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 <sub>50</sub> 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 <sup>[1]</sup> .	
IC <sub>50</sub> & Target	VEGFR-2 57.83 nM (IC <sub>50</sub> )	HDAC 9.82 nM (IC <sub>50</sub> )

### 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA