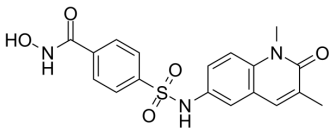
HDAC6/8/BRPF1-IN-1

Cat. No.:	HY-151364
CAS No.:	2484255-65-2
Molecular Formula:	$C_{18}H_{17}N_3O_5S$
Molecular Weight:	387.41
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HDAC6/8/BRPF1-IN-1 is a dual inhibitor of both HDAC6/8 and the bromodomain and PHD finger containing protein 1 (BRPF1) . HDAC6/8/BRPF1-IN-1 has inhibitory activity for HDAC1, HDAC6 and HDAC8 with IC_{50} values of 797 nM, 344 nM and 908 nM, respectively. HDAC6/8/BRPF1-IN-1 has inhibitory activity for BRPF1 with an K_d value of 175.2 nM. HDAC6/8/BRPF1-IN-1 can be used for the research of cancer[1].		
IC_{50} & Target	HDAC1 797 nM (IC_{50})	HDAC6 344 nM (IC_{50})	HDAC8 908 nM (IC_{50})
In Vitro	HDAC6/8/BRPF1-IN-1 has inhibitory activity for HDAC1, HDAC6 and HDAC8 with IC_{50} values of 797 nM, 344 nM and 908 nM, respectively[1]. HDAC6/8/BRPF1-IN-1 has inhibitory activity for BRPF1 with an K_d value of 175.2 nM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Ehab Ghazy, et al. Design, synthesis, and biological evaluation of dual targeting inhibitors of histone deacetylase 6/8 and bromodomain BRPF1. Eur J Med Chem. 2020 Aug 15;200:112338.

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