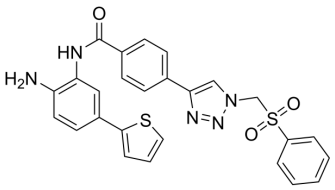
KPZ560

Cat. No.:	HY-156422
CAS No.:	2397562-43-3
Molecular Formula:	$C_{26}H_{21}N_5O_3S_2$
Molecular Weight:	515.61
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	KPZ560 is a potent inhibitor of HDAC1 and HDAC2, with IC_{50}s of 12 nM and 68 nM, respectively. KPZ560 can increase in the spine density of granule neuron dendrites of mice and inhibitor cell growth of breast cancer cell line MCF[1].	
IC_{50} & Target	HDAC1 12 nM (IC_{50})	HDAC2 68 nM (IC_{50})

REFERENCES

[1]. Yukihiro Itoh, et al. Discovery of Selective Histone Deacetylase 1 and 2 Inhibitors: Screening of a Focused Library Constructed by Click Chemistry, Kinetic Binding Analysis, and Biological Evaluation. J Med Chem. 2023 Oct 17. doi: 10.1021/acs.jmedchem.3c01095. Online ahead of print.

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