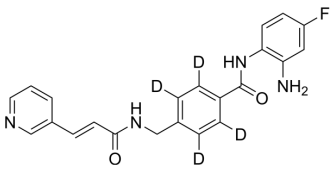
Tucidinostat-d_4

Cat. No.:	HY-109015S
Molecular Formula:	$C_{22}H_{15}D_4FN_4O_2$
Molecular Weight:	394.43
Target:	HDAC; Isotope-Labeled Compounds
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tucidinostat-d_4 is the deuterium labeled Tucidinostat. Tucidinostat is a potent and orally bioavailable HDAC enzymes class I (HDAC1/2/3) and class IIb (HDAC10) inhibitor, with IC50s of 95, 160, 67 and 78 nM, respectively[1].			
IC_{50} & Target	HDAC1 95 nM (IC_{50})	HDAC2 160 nM (IC_{50})	HDAC3 67 nM (IC_{50})	HDAC10 78 nM (IC_{50})

REFERENCES

[1]. Ning ZQ, et al. Chidamide (CS055/HBI-8000): a new histone deacetylase inhibitor of the benzamide class with antitumor activity and the ability to enhance immune cell-mediated tumor cell cytotoxicity. Cancer Chemother Pharmacol. 2012 Apr;69(4):901-9.

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