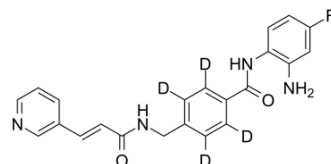


## Tucidinostat D4

<b>Cat. No.:</b>	HY-109015S
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>15</sub> D <sub>4</sub> FN <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	394.43
<b>Target:</b>	HDAC
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Tucidinostat D4 (Chidamide D4) 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 IC <sub>50</sub> s of 95, 160, 67 and 78 nM, respectively <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	HDAC1 95 nM (IC <sub>50</sub> )	HDAC2 160 nM (IC <sub>50</sub> )	HDAC3 67 nM (IC <sub>50</sub> )	HDAC10 78 nM (IC <sub>50</sub> )

### 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.

**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