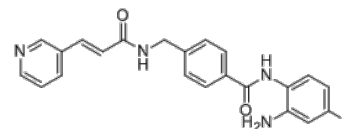


**Product Name** : Tucidinostat  
**Cat. No.** : PC-35344  
**CAS No.** : 1616493-44-7  
**Molecular Formula** : C<sub>22</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 390.418  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

Tucidinostat (Chidamide, HBI-8000, CS055) is a novel histone deacetylase (**HDAC**) inhibitor with IC<sub>50</sub> of 95/160/67/733/78/432 nM for HDAC1/2/3/8/10/11, respectively.

Tucidinostat (HBI-8000) shows no activity against Class IIa HDAC4/4/7/9 and HDAC6.

Tucidinostat (HBI-8000) demonstrates significant and broad spectrum in vitro and in vivo antitumor activity, induces G1 arrest, ROS-dependent apoptosis and differentiation in human leukaemia cells.

## References

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Gong K, et al. Biochem J. 2012 May 1;443(3):735-46.

Dong M, et al. Cancer Chemother Pharmacol. 2012 Jun;69(6):1413-22.

Gao S, et al. Anticancer Agents Med Chem. 2017;17(6):802-812.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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