

Product Name	: Tucidinostat
Synonyms	: Chidamide; HBI-8000; CS055
Cat No.	: M12363
CAS Number	: 1616493-44-7
Molecular Formula	: C ₂₂ H ₁₉ FN ₄ O ₂
Formula Weight	: 390.42
Chemical Name	: N-(2-amino-4-fluorophenyl)-4-[[[(E)-3-pyridin-3-ylprop-2-enoyl]amino]methyl]benzamide
Description	: Tucidinostat (Chidamide, HBI-8000, CS055) is a novel histone deacetylase (HDAC) inhibitor with IC ₅₀ of 95/160/67/733/78/432 nM for HDAC1/2/3/8/10/11, respectively; shows no activity against Class IIa HDAC4/4/7/9 and HDAC6; demonstrates significant and broad spectrum in vitro and in vivo antitumor activity, induces G1 arrest, ROS-dependent apoptosis and differentiation in human leukaemia cells. Blood Cancer Approved
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: HDAC1; HDAC2; HDAC3; HDAC10
Solubility	: Ethanol: 1 mg/mL Water: Insoluble DMSO: 50 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>O=C(NC1=CC=C(F)C=C1N)C2=CC=C(CNC(/C=C/C3=CC=CN=C3)=O)C=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Ning ZQ, et al. Cancer Chemother Pharmacol. 2012 Apr;69(4):901-9. | 2. Gong K, et al. Biochem J. 2012 May 1;443(3):735-46. | 3. Dong M, et al. Cancer Chemother Pharmacol. 2012 Jun;69(6):1413-22. | 4. Gao S, et al. Anticancer Agents Med Chem. 2017;17(6):802-812.