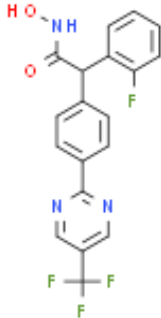


Product Data Sheet

Cas No.:	1629729-98-1	Cat. No:	PL02415
Product Name:	CHDI-390576		
Product synonym:	-		
Chemical name:	CHDI-390576		
MF:	C19H13F4N3O2	FW:	391.319038152695
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	<chem>FC1C=CC=CC=C1C(C(=O)O)C1C=CC(C2N=CC(C(F)(F)F)=CN=2)=CC=1</chem>		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

CHDI-390576, 一种有效的细胞渗透性和中枢神经系统渗透性的 IIa 类组织乙酰酶 (HDAC) 抑制剂, IIa 类 HDAC4、HDAC5、HDAC7、HDAC9 的 IC₅₀ 值分别为 54 nM、60 nM、31 nM、50 nM, 选择性高于 I 类 HDAC (1, 2, 3) 500 倍, 高于 HDAC8 和 IIb 类 HDAC6 亚型约 150 倍。

生物活性	CHDI-390576, a potent, cell permeable and CNS penetrant class IIa histone deacetylase (HDAC) inhibitor with IC ₅₀ s of 54 nM, 60 nM, 31 nM, 50 nM for class IIa HDAC4, HDAC5, HDAC7, HDAC9, respectively, shows >500-fold selectivity over class I HDACs (1, 2, 3) and ~150-fold selectivity over HDAC8 and the class IIb HDAC6 isoform.
IC ₅₀ & Target[1][2]	HDAC4 54 nM (IC ₅₀) HDAC5 60 nM (IC ₅₀)
体外研究(In Vitro)	The affinity (Kd) of CHDI-390576 to the catalytic domain of immobilized HDAC4 is 80 nM. CHDI-390576 inhibits class I HDACs (1, 3, 8) and class IIb HDAC6 isoforms with IC ₅₀ s of 39.7 μM, 25.8 μM, 9.1 μM, 6.2 μM, respectively. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years; In solvent -80°C 6 months
溶解度数据	In Vitro: DMSO : 250 mg/mL (638.86 mM; Need ultrasonic)配制储备液