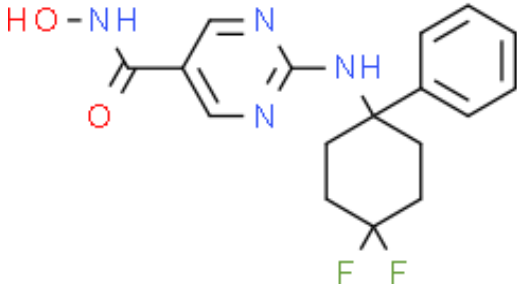


Product Data Sheet

Cas No.:	1708113-43-2	Cat. No:	PL01963
Product Name:	ACY-1083		
Product synonym:	-		
Chemical name:	ACY-1083		
MF:	C17H18F2N4O2	FW:	348.3472
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	FC1(C([H])([H])C([H])([H])C(C2C([H])=C([H])C([H])=C([H])C=2[H])(C([H])([H])C1([H])([H])N([H])C1=NC([H])=C(C(N([H])O[H])=O)C([H])=N1)F		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

ACY-1083 是一种可渗透脑的选择性 HDAC6 抑制剂，IC₅₀ 为 3 nM，ACY-1083 对 HDAC6 的选择性比其他类别的 HDAC 亚型高 260 倍。ACY-1083 可有效逆转化疗引起的周围神经病变。

生物活性	ACY-1083 is a selective and brain-penetrating HDAC6 inhibitor with an IC ₅₀ of 3 nM and is 260-fold more selective for HDAC6 than all other classes of HDAC isoforms. ACY-1083 effectively reverses chemotherapy-induced peripheral neuropathy.
IC ₅₀ & Target[1][2]	HDAC6 3 nM (IC ₅₀)
体外研究(In Vitro)	Treatment with ACY-1083 (30 and 300 nM) significantly improves cell viability in a dose-dependent manner. has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay
体内研究(In Vivo)	ACY-1083 (i.p.; 10 mg/kg; for 7 days) effectively relieves Cisplatin-induced mechanical allodynia in C57BL/6J mice ACY-1083 (oral doses of 3 mg/kg ACY-1083 for 7 days) reverses Paclitaxel-induced mechanical allodynia in adult male SD rats. Mice dosed with 5 mg/kg ACY-1083 by intraperitoneal (i.p.) injection have a maximum plasma concentration (C _{max}) of 936 ng/mL, a half-life (T _{1/2}) of 3.5 hours, and a biologically active plasma exposure of 8 hours after dosing. has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存	-20°C, stored under nitrogen In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)
溶解度数据	In Vitro: DMSO : 200 mg/mL (574.14 mM; Need ultrasonic)配制储备液