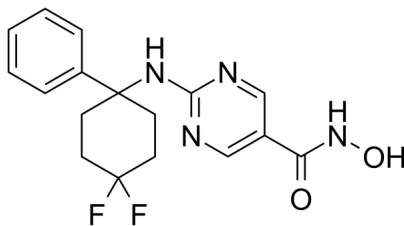


Data Sheet

Product Information

Catalog Number	BP13660
Product Name	ACY-1083
Description	ACY-1083 is a selective and brain-penetrating HDAC6 inhibitor (IC ₅₀ : 3 nM). It is 260-fold more selective for HDAC6 than all other classes of HDAC isoforms. ACY-1083 effectively reverses chemotherapy-induced peripheral neuropathy.
Targets&IC ₅₀	HDAC6:3 nM
CAS No.	1708113-43-2
Chemical Formula	C ₁₇ H ₁₈ F ₂ N ₄ O ₂
Molecular Weight	348.354
Solubility	DMSO: 100 mg/mL (287.07 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 The chemical structure of ACY-1083 is shown. It features a 1-phenyl-4-(difluoromethyl)piperidine ring system. The piperidine ring is substituted with a phenyl group at the 1-position and a difluoromethyl group at the 4-position. The nitrogen atom of the piperidine ring is connected to a pyrimidine ring at the 2-position. The pyrimidine ring is further substituted with a hydroxamic acid group (-CONHOH) at the 4-position.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022

Purdue Bioscience Inc.