

Product Name	: HDAC-IN-57
Synonyms	: —
Cat No.	: M36851
CAS Number	: 2716217-79-5
Molecular Formula	: C ₂₁ H ₁₉ N ₃ O ₄
Formula Weight	: 377.39
Chemical Name	: —
Description	HDAC-IN-57 is an orally active inhibitor of histone deacetylases (HDAC), with IC ₅₀ s of 2.07 nM, 4.71 nM, 2.4 nM and 107 nM for HDAC1, HDAC2, HDAC6, HDAC8, respectively. HDAC-IN-57 can inhibits LSD1, with IC ₅₀ of 1.34 μM. HDAC-IN-57 induces apoptosis, and has anti-tumor activity.
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: HDAC Apoptosis
Solubility	: —
SMILES	: <chem>C(NCC1=CC=C(C(NO)=O)C=C1)(=O)C=2C=C(N=CC2)C3=CC=C(OC)C=C3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Duan Y, et al. Discovery of novel, potent, and orally bioavailable HDACs inhibitors with LSD1 inhibitory activity for the treatment of solid tumors. Eur J Med Chem. 2023 Jun 5;254:115367.?