



Product Information

HDAC inhibitor HDAC-IN-3, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ285

Size: 1 mg; 5 mg; 10 mg; 50 mg

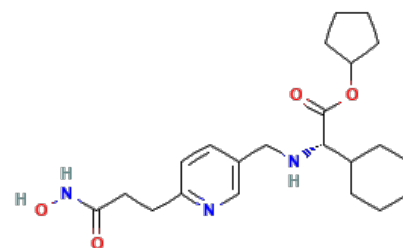
CAS Number: 1018673-42-1

Compound CID: 53630042

Synonym: 1018673-42-1; HDAC-IN-3; GSK3117391; GSK-3117391; CKA3P0O1VI;

CHR-5154; GSK3117391A; HDAC inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	HDAC-IN-3, soluble in DMSO and ethanol and insoluble in water, induces DNA damage and the inhibition of DNA repair processes.
Molecular Weight	403.52
Molecular Formula	C ₂₂ H ₃₃ N ₃ O ₄
IUPAC Name	Cyclopentyl (2S)-2-cyclohexyl-2-[[6-[3-(hydroxyamino)-3-oxopropyl]pyridin-3-yl]methylamino]acetate
InChI	InChI=1S/C22H33N3O4/c26-20(25-28)13-12-18-11-10-16(14-23-18)15-24-21(17-6-2-1-3-7-17)22(27)29-19-8-4-5-9-19/h10-11,14,17,19,21,24,28H,1-9,12-13,15H2,(H,25,26)/t21-/m0/s1
InChI Key	AFDPFLDWOXXHQM-NRFANRHFSA-N
Canonical SMILES	C1CCC(CC1)C(C(=O)OC2CCCC2)NCC3=CN=C(C=C3)CCC(=O)NO
Isomeric SMILES	C1CCC(CC1)[C@@H](C(=O)OC2CCCC2)NCC3=CN=C(C=C3)CCC(=O)NO
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 73 mg/mL (180.9 mM); Water: Insoluble; Ethanol: 14 mg/mL (34.69 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	HDAC-IN-3 is applied in scientific studies to investigate its role as an HDAC inhibitor and its potential effects on cancer and other HDAC-related conditions.
Storage	Store at -20°C.