



Product Information

Histone demethylases inhibitor GSK J1, Purity $\geq 98\%$

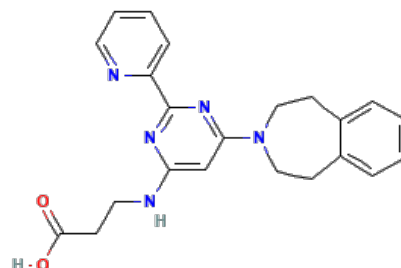
Cat. No.: X24-05-ZQ372

Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1373422-53-7

Compound CID: 56963315

Synonym: 1373422-53-7; GSK-J1; GSK J1; GSKJ1; 3-[[2-Pyridin-2-yl-6-(1,2,4,5-tetrahydro-3-benzazepin-3-yl)pyrimidin-4-yl]amino]propanoic acid; Histone demethylases inhibitor



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

Product Information

Description	GSK J1, soluble in DMSO and insoluble in ethanol and water, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation. It targets JMJD3 (KDM6B) and UTX (KDM6A).
Molecular Weight	389.45
Molecular Formula	C ₂₂ H ₂₃ N ₅ O ₂
Targets	JMJD3 (KDM6B): 28 nM; UTX (KDM6A): 53 nM
IUPAC Name	3-[[2-Pyridin-2-yl-6-(1,2,4,5-tetrahydro-3-benzazepin-3-yl)pyrimidin-4-yl]amino]propanoic acid
InChI	InChI=1S/C22H23N5O2/c28-21(29)8-12-24-19-15-20(26-22(25-19)18-7-3-4-11-23-18)27-13-9-16-5-1-2-6-17(16)10-14-27/h1-7,11,15H,8-10,12-14H2,(H,28,29)(H,24,25,26)
InChI Key	AVZCPICCWKMZDT-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCC2=CC=CC=C21)C3=NC(=NC(=C3)NCCC(=O)O)C4=CC=CC=N4
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 70 mg/mL (179.74 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	GSK J1 is a selective Jumonji demethylase inhibitor used to study the impact of histone demethylation on gene expression.
Storage	Store at -20°C.



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