



Product Information

Histone demethylases inhibitor KDM4-IN-2, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ380

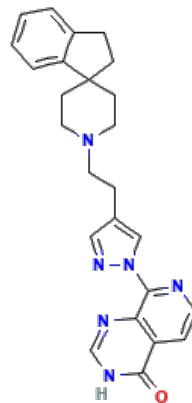
Size: 1 mg; 5 mg; 10 mg

CAS Number: 2369607-62-3

Compound CID: 138393336

Synonym: 2369607-62-3; KDM4-IN-2; ChEMBL4449500; 8-[4-(2-Spiro[1,2-dihydroindene-3,4'-piperidine]-1'-ylethyl)pyrazol-1-yl]-3~{H}-pyrido[3,4-d]pyrimidin-4-one; FOW; Histone demethylases inhibitor

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



Product Information

Description	KDM4-IN-2 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	426.51
Molecular Formula	C ₂₅ H ₂₆ N ₆ O
IUPAC Name	8-[4-(2-Spiro[1,2-dihydroindene-3,4'-piperidine]-1'-ylethyl)pyrazol-1-yl]-3H-pyrido[3,4-d]pyrimidin-4-one
InChI	InChI=1S/C25H26N6O/c32-24-20-6-11-26-23(22(20)27-17-28-24)31-16-18(15-29-31)7-12-30-13-9-25(10-14-30)8-5-19-3-1-2-4-21(19)25/h1-4,6,11,15-17H,5,7-10,12-14H2,(H,27,28,32)
InChI Key	AVFIHINZEZRGBL-UHFFFAOYSA-N
Canonical SMILES	C1CC2(CCN(CC2)CCC3=CN(N=C3)C4=NC=CC5=C4N=CNC5=O)C6=CC=CC=C61
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	KDM4-IN-2 is used to inhibit the KDM4 family of demethylases, aiding in studies related to epigenetic modifications.
Storage	Store at -20°C.