



Product Information

Histone demethylases inhibitor KDM2A/7A-IN-1, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ379

Size: 1 mg; 5 mg; 10 mg

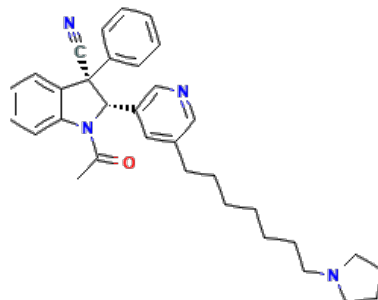
CAS Number: 2169272-46-0

Compound CID: 134960976

Synonym: 2169272-46-0; KDM2A/7A-IN-1; AKOS040733521; MS-29417;

HY-108706; Histone demethylases inhibitor

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



Product Information

Description	KDM2A/7A-IN-1 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	506.68
Molecular Formula	C ₃₃ H ₃₈ N ₄ O
IUPAC Name	(2S,3S)-1-acetyl-3-phenyl-2-[5-(7-pyrrolidin-1-ylheptyl)pyridin-3-yl]-2H-indole-3-carbonitrile
InChI	InChI=1S/C33H38N4O/c1-26(38)37-31-18-10-9-17-30(31)33(25-34,29-15-7-5-8-16-29)32(37)28-22-27(23-35-24-28)14-6-3-2-4-11-19-36-20-12-13-21-36/h5,7-10,15-18,22-24,32H,2-4,6,11-14,19-21H2,1H3/t32-,33+/m0/s1
InChI Key	VJAWJBZGYNKPQV-JHOUSYSJSA-N
Canonical SMILES	CC(=O)N1C(C(C2=CC=CC=C21)(C#N)C3=CC=CC=C3)C4=CN=CC(=C4)CCCCCCN5CCCC5
Isomeric SMILES	CC(=O)N1[C@H]([C@](C2=CC=CC=C21)(C#N)C3=CC=CC=C3)C4=CN=CC(=C4)CCCCCCN5CCCC5
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	KDM2A/7A-IN-1 inhibits KDM2A and KDM7A demethylases, contributing to research on chromatin dynamics and gene expression.
Storage	Store at -20°C.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
