



Product Information

Histone demethylases inhibitor KDM4D-IN-1, Purity ≥98%

Cat. No.: X24-05-ZQ381

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

CAS Number: 2098902-68-0

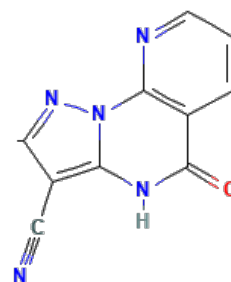
Compound CID: 137174251

Synonym: 2098902-68-0; KDM4D-IN-1; ChEMBL4090908;

2-Methyl-5-oxo-4,5-dihydropyrazolo[1,5-a]pyrido[3,2-e]pyrimidine-3-carbonitrile;

BCP32624; Histone demethylases inhibitor

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



Product Information

Description	KDM4D-IN-1, soluble in DMSO and insoluble in ethanol and water, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	225.21
Molecular Formula	C ₁₁ H ₇ N ₅ O
IUPAC Name	4-Methyl-8-oxo-2,3,7,13-tetrazatricyclo[7.4.0.0 ^{2,6}]trideca-1(9),3,5,10,12-pentaene-5-carbonitrile
InChI	InChI=1S/C11H7N5O/c1-6-8(5-12)10-14-11(17)7-3-2-4-13-9(7)16(10)15-6/h2-4H,1H3,(H,14,17)
InChI Key	FIRSAIIBSBCBTF-UHFFFAOYSA-N
Canonical SMILES	CC1=NN2C(=C1C#N)NC(=O)C3=C2N=CC=C3
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 6 mg/mL (26.64 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	KDM4D-IN-1 inhibits KDM4D histone demethylase, facilitating research on its role in gene expression and cancer.
Storage	Store at -20°C.