



Product Information

Histone demethylases inhibitor Vafidemstat, Purity ≥98%

Cat. No.: X24-05-ZQ403

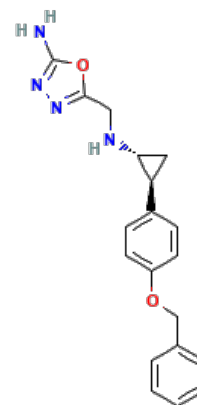
Size: 1 mg; 5 mg; 10 mg

CAS Number: 1357362-02-7

Compound CID: 66714983

Synonym: 1357362-02-7; ORY-2001; ORY2001; ORY 2001; Histone demethylases inhibitor

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



Product Information

Description	Vafidemstat prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	336.39
Molecular Formula	C ₁₉ H ₂₀ N ₄ O ₂
IUPAC Name	5-[[[(1R,2S)-2-(4-phenylmethoxyphenyl)cyclopropyl]amino]methyl]-1,3,4-oxadiazol-2-amine
InChI	InChI=1S/C19H20N4O2/c20-19-23-22-18(25-19)11-21-17-10-16(17)14-6-8-15(9-7-14)24-12-13-4-2-1-3-5-13/h1-9,16-17,21H,10-12H2,(H2,20,23)/t16-,17+/m0/s1
InChI Key	XBBRLCXCBCZIOI-DLBZAZTESA-N
Canonical SMILES	C1C(C1NCC2=NN=C(O2)N)C3=CC=C(C=C3)OCC4=CC=CC=C4
Isomeric SMILES	C1[C@H]([C@@H]1NCC2=NN=C(O2)N)C3=CC=C(C=C3)OCC4=CC=CC=C4
Form	Lyophilized powder
Purity	≥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	Vafidemstat can be used in studies assessing the role of histone demethylase inhibitors in neurodegenerative diseases and other disorders by targeting the LSD1 enzyme.
Storage	Store at -20°C.