



Product Information

Histone demethylases inhibitor QC6352, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ394

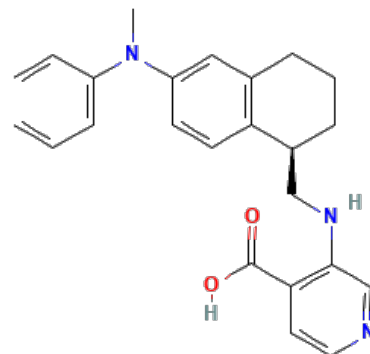
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1851373-36-8

Compound CID: 118598059

Synonym: 1851373-36-8; QC 6352; QC-6352; Histone demethylases inhibitor

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



Product Information

Description	QC6352 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation. It targets KDM4.
Molecular Weight	387.47
Molecular Formula	C ₂₄ H ₂₅ N ₃ O ₂
Targets	KDM4
IUPAC Name	3-[[[(1R)-6-(N-methylanilino)-1,2,3,4-tetrahydronaphthalen-1-yl]methylamino]pyridine-4-carboxylic acid
InChI	InChI=1S/C24H25N3O2/c1-27(19-8-3-2-4-9-19)20-10-11-21-17(14-20)6-5-7-18(21)15-26-23-16-25-13-12-22(23)24(28)29/h2-4,8-14,16,18,26H,5-7,15H2,1H3,(H,28,29)/t18-m/s1
InChI Key	XSMABFRQESMONQ-SFHVURJKSA-N
Canonical SMILES	CN(C1=CC=CC=C1)C2=CC3=C(C=C2)C(CCC3)CNC4=C(C=CN=C4)C(=O)O
Isomeric SMILES	CN(C1=CC=CC=C1)C2=CC3=C(C=C2)[C@@H](CCC3)CNC4=C(C=CN=C4)C(=O)O
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	QC6352 inhibits LSD1, contributing to research on the epigenetic regulation of gene expression.
Storage	Store at -20°C.