



Product Information

Histone demethylases inhibitor T-3775440 hydrochloride, Purity ≥98%

Cat. No.: X24-05-ZQ398

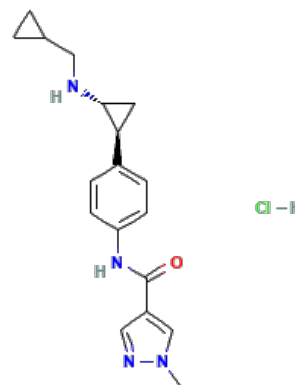
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1422535-52-1

Compound CID: 86729932

Synonym: 1422535-52-1; T-3775440 HCl; T 3775440 HCl; T3775440 HCl; Histone demethylases inhibitor

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



Product Information

Description	T-3775440 hydrochloride, soluble in DMSO and water and insoluble in ethanol, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	346.85
Molecular Formula	C ₁₈ H ₂₃ ClN ₄ O
IUPAC Name	<i>N</i> -[4-[(1 <i>S</i> ,2 <i>R</i>)-2-(cyclopropylmethylamino)cyclopropyl]phenyl]-1-methylpyrazole-4-carboxamide;hydrochloride
InChI	InChI=1S/C18H22N4O.ClH/c1-22-11-14(10-20-22)18(23)21-15-6-4-13(5-7-15)16-8-17(16)19-9-12-2-3-12;/h4-7,10-12,16-17,19H,2-3,8-9H2,1H3,(H,21,23);1H/t16-,17+;/m0./s1
InChI Key	XYFPAGOQZFSLFH-MCJVGQIASA-N
Canonical SMILES	CN1C=C(C=N1)C(=O)NC2=CC=C(C=C2)C3CC3NCC4CC4.Cl
Isomeric SMILES	CN1C=C(C=N1)C(=O)NC2=CC=C(C=C2)[C@@H]3C[C@H]3NCC4CC4.Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 66 mg/mL (190.28 mM); Water: 21 mg/mL (60.54 mM); 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	T-3775440 hydrochloride can be used to study the inhibition of lysine-specific demethylase 1 (LSD1), affecting gene expression and histone modification.



Storage

Store at -20°C.
