



Product Information

HMT inhibitor PFI-2, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ535

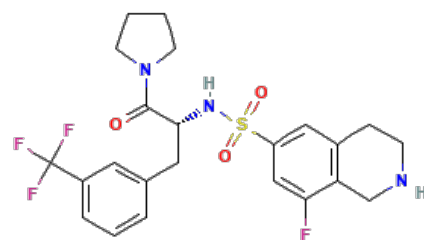
Size: 10 mg; 25 mg; 50 mg

CAS Number: 1627676-59-8

Compound CID: 71300326

Synonym: 1627676-59-8; PFI2; Histone methyltransferase inhibitor

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



Product Information

Description	PFI-2 inhibits the enzymes that add methyl groups to histone proteins, altering chromatin structure and gene expression. It targets SETD7 and SETD7.
Molecular Weight	499.52
Molecular Formula	C ₂₃ H ₂₅ F ₄ N ₃ O ₃ S
Targets	SETD7: 0.33 nM (Ki); SETD7: 2 nM
IUPAC Name	8-Fluoro-N-[(2R)-1-oxo-1-pyrrolidin-1-yl-3-[3-(trifluoromethyl)phenyl]propan-2-yl]-1,2,3,4-tetrahydroisoquinoline-6-sulfonamide
InChI	InChI=1S/C23H25F4N3O3S/c24-20-13-18(12-16-6-7-28-14-19(16)20)34(32,33)29-21(22(31)30-8-1-2-9-30)11-15-4-3-5-17(10-15)23(25,26)27/h3-5,10,12-13,21,28-29H,1-2,6-9,11,14H2/t21-m/s1
InChI Key	JCKGSPAAPQRPBW-OAQYLSRUSA-N
Canonical SMILES	C1CCN(C1)C(=O)C(CC2=CC(=CC=C2)C(F)(F)F)NS(=O)(=O)C3=CC4=C(CNCC4)C(=C3)F
Isomeric SMILES	C1CCN(C1)C(=O)[C@@H](CC2=CC(=CC=C2)C(F)(F)F)NS(=O)(=O)C3=CC4=C(CNCC4)C(=C3)F
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	PFI-2 can be used to inhibit the SETD7 methyltransferase, studying its role in cellular processes and disease.



Storage

Store at -20°C.
