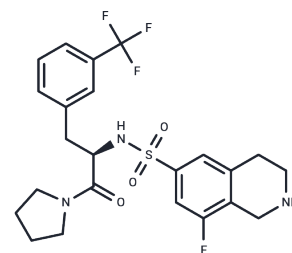


PFI-2

Chemical Properties

CAS No. : 1627676-59-8
Formula: C₂₃H₂₅F₄N₃O₃S
Molecular Weight: 499.52
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PFI-2 is an effective, specific and cell-active lysine methyltransferase SETD7 inhibitor (K _i /IC ₅₀ : 0.33/2 nM), 1000-fold selectivity over other methyltransferases and other non-epigenetic targets.
Targets(IC ₅₀)	Histone Methyltransferase

Solubility Information

Solubility	Ethanol: 66 mg/mL (132.12 mM), Heating is recommended. DMSO: >10 mM, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0019 mL	10.0096 mL	20.0192 mL
5 mM	0.4004 mL	2.0019 mL	4.0038 mL
10 mM	0.2002 mL	1.001 mL	2.0019 mL
50 mM	0.040 mL	0.2002 mL	0.4004 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Barsyte-Lovejoy D, et al. Proc Natl Acad Sci U S A. 2014, 111(35), 12853-12858.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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