

**Product Name:** (R)-PFI 2 hydrochloride

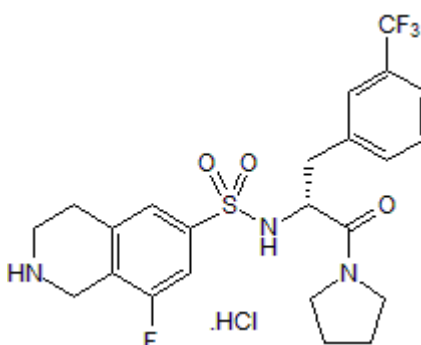
**Catalog No.:** 4892

**Batch No.:** 1

**IUPAC Name:** (1R)-1-[[3-(Trifluoromethyl)phenyl]methyl]-2-oxo-2-(1-pyrrolidinyl)ethyl]1,2,3,4-tetrahydro-6-isoquinolinesulfonamide hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>23</sub>H<sub>25</sub>F<sub>4</sub>N<sub>3</sub>O<sub>3</sub>S.HCl.¾H<sub>2</sub>O  
**Batch Molecular Weight:** 549.49  
**Physical Appearance:** Off-white solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 20 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.33 (Chloroform:Methanol [9:1])  
**HPLC:** Shows 99% purity  
**Chiral HPLC:** Shows 99.33% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Optical Rotation:** [α]<sub>D</sub> = -220 (Concentration = 0.01, Solvent = Methanol)  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	50.27	5.04	7.65
Found	50.19	5.05	7.56

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Potent and selective SETD7 histone lysine methyltransferase inhibitor (IC<sub>50</sub> = 2 nM). Exhibits > 100-fold selectivity for SETD7 over other methyltransferases.

**Physical and Chemical Properties:**

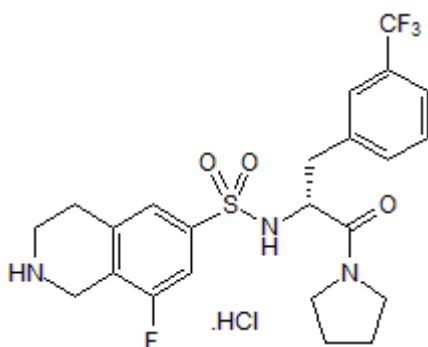
Batch Molecular Formula: C<sub>23</sub>H<sub>25</sub>F<sub>4</sub>N<sub>3</sub>O<sub>3</sub>S.HCl.¾H<sub>2</sub>O

Batch Molecular Weight: 549.49

Physical Appearance: Off-white solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 20 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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