

**Product Name:** SJF $\alpha$

**Catalog No.:** 7268

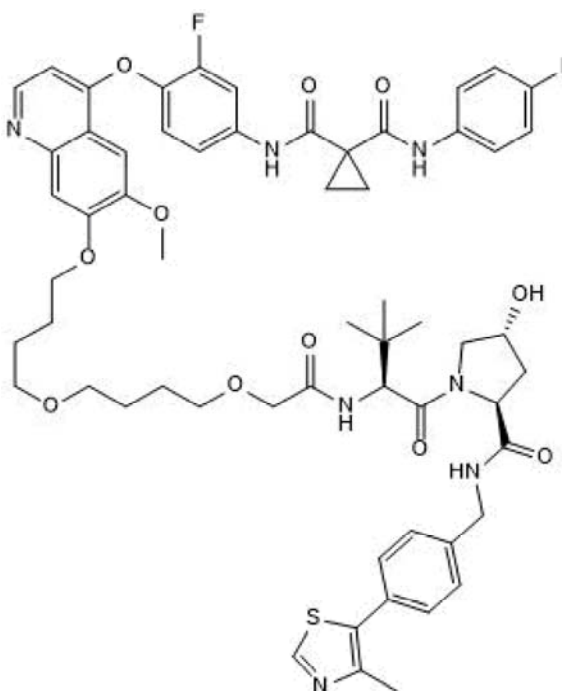
**Batch No.:** 1

CAS Number: 2254609-27-1

IUPAC Name: *N*-(3-Fluoro-4-((7-(4-(4-(2-(((*S*)-1-((2*S*,4*R*)-4-hydroxy-2-((4-(4-methylthiazol-5-yl)benzyl)carbamoyl)pyrrolidin-1-yl)-3,3-dimethyl-1-oxobutan-2-yl)amino)-2-oxoethoxy)butoxy)-6-methoxyquinolin-4-yl)oxy)phenyl)-*N*-(4-fluorophenyl)cyclopropane-1,1-dicarboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Weight:** 1133.79  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.5	6.09	8.65
Found	62.22	6.12	8.74

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

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**Description:**

Potent and selective p38 $\alpha$  PROTAC<sup>®</sup> Degradator (DC<sub>50</sub> = 7.16 nM and D<sub>max</sub> = 97.4%). SJF $\alpha$  comprises the multikinase inhibitor foretinib joined by a linker to a VHL ligand. Displays significantly lower potency degradation at p38 $\delta$  (DC<sub>50</sub> = 299 nM). Exhibits no significant degradation of p38 $\beta$  or  $\gamma$ . or related MAPKs, ERK1/2, or JNK1/2. PROTAC<sup>®</sup> is a registered trademark of Arvinas Operations, Inc., and is used under license.

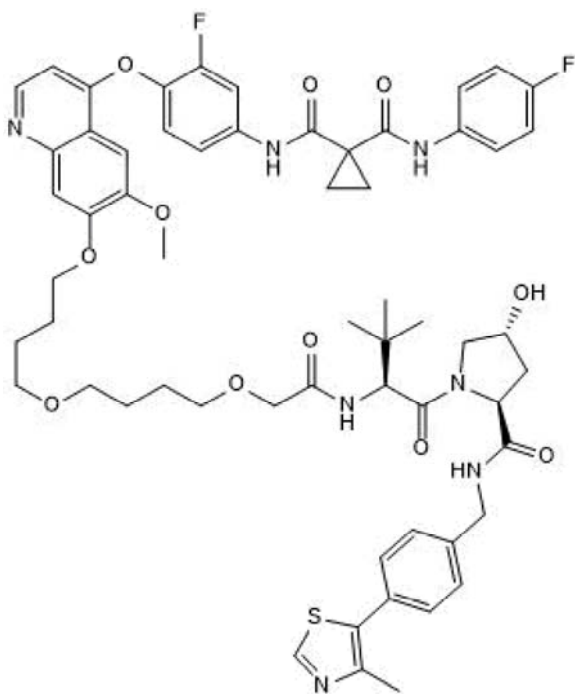
**Physical and Chemical Properties:**

Batch Molecular Weight: 1133.79

Physical Appearance: White solid

**Minimum Purity:**  $\geq$ 98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 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.

**References:**

Smith *et al* (2019) Differential PROTAC substrate specificity dictated by orientation of recruited E3 ligase. Nat. Commun. **10** 131. PMID: 30631068.

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