# Certificate of Analysis



**Product Name:** **SJFα** **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)butoxy)-6-methoxyquinolin-4-yl)oxy)phenyl)-*N*-(4-fluorophenyl)cyclopropane-1,1-dicarboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** $C_{59}H_{67}F_2N_7O_{11}S.¾H_2O$

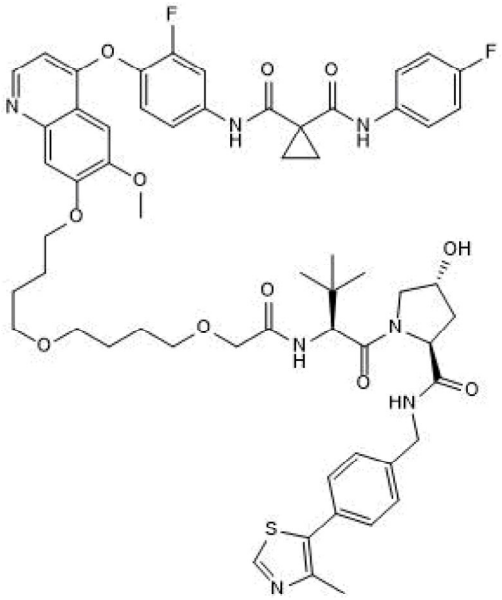
**Batch Molecular Weight:** 1133.79

**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

**$^1$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 |



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**Description:**

SJFα is a potent and selective p38α PROTAC® Degrader ($DC_{50}$ = 7.16 nM; $D_{max}$ = 97.4%). SJFα comprises the multikinase inhibitor foretinib joined by a linker to a VHL ligand. Displays significantly lower potency degradation at p38δ ($DC_{50}$ = 299 nM). Exhibits no significant degradation of p38β, p38γ or related MAPKs, ERK1/2, or JNK1/2. p38γ antibodies validated for Simple Western™ (automated Western Blot) instruments also available: Catalog # AF1347 and MAB1347. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

**Physical and Chemical Properties:**

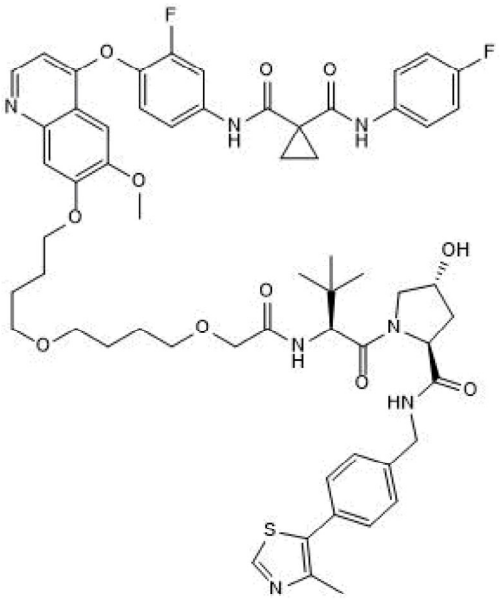
Batch Molecular Formula: $C_{59}H_{67}F_2N_7O_{11}S.¾H_2O$

Batch Molecular Weight: 1133.79

Physical Appearance: White solid

**Minimum Purity:** ≥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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.