bio-techne
TOCRIS

Print Date: Mar 14th 2024

# Certificate of Analysis

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**Product Name:** **SJF 8240** **Catalog No.: 7266** **Batch No.: 1**

CAS Number: 2230821-68-6

IUPAC Name: *N*-(3-Fluoro-4-((7-(3-(3-(3-((((*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)-3-oxopropoxy)propoxy)propoxy)-6-methoxyquinolin-4-yl)oxy)phenyl)-*N*-(4-fluorophenyl)cyclopropane-1,1-dicarboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** $C_{58}H_{65}F_2N_7O_{11}S.2H_2O$

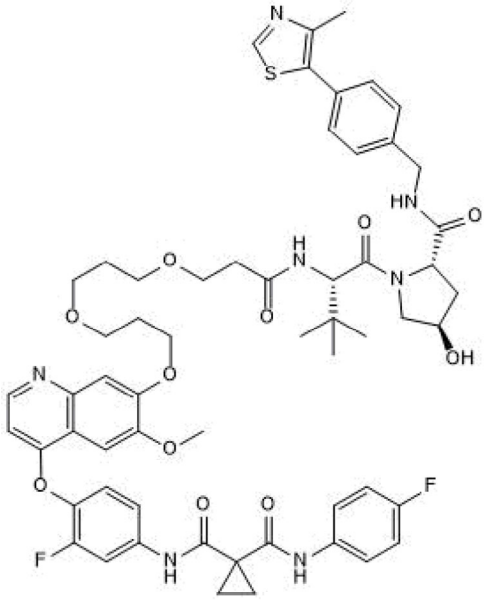
**Batch Molecular Weight:** 1142.28

**Physical Appearance:** Off White solid

**Solubility:** DMSO to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.5% purity

**$^1$H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

| | Carbon | Hydrogen | Nitrogen |
|---|---|---|---|
| Theoretical | 60.99 | 6.09 | 8.58 |
| Found | 60.58 | 5.87 | 8.64 |



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**Description:**

SJF 8240 is a c-MET PROTAC® Degrader. Comprises MET inhibitor foretinib joined by a linker to a von Hippel-Lindau (VHL) recruiting ligand. Degrades c-MET within 6 hours in vitro. Inhibits agonist-driven AKT phosphorylation and GTL16 cell proliferation ($IC_{50}$ = 66.7 nM). Also degrades exon-14-deleted c-MET in Hs746T cells. c-MET antibodies validated for Western Blot also available: Catalog # AF276 and MAB5694. 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:**

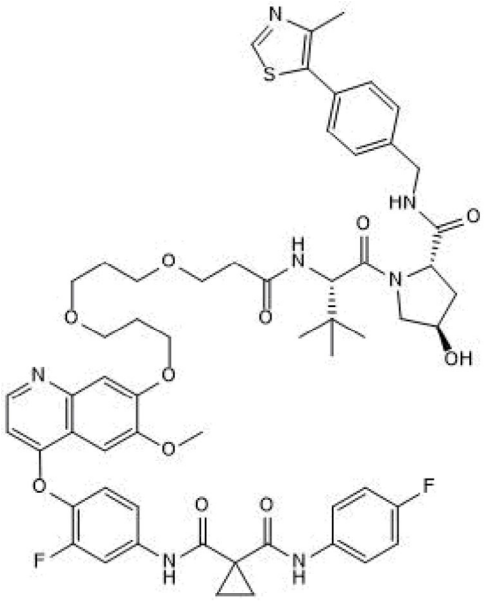
Batch Molecular Formula: $C_{58}H_{65}F_2N_7O_{11}S.2H_2O$

Batch Molecular Weight: 1142.28

Physical Appearance: Off White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 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:**

**Burselem** *et al* (2018) The advantages of targeted protein degradation over inhibition: an RTK case study. Cell Chem.Biol. ***25*** 67. PMID: 29129716.