

**Product Name:** SJF 1528

**Catalog No.:** 7262

**Batch No.:** 1

CAS Number: 2230821-38-0

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(2-(2-(2-(4-(4-((3-Chloro-4-((3-fluorobenzyl)oxy)phenyl)amino)quinazolin-6-yl)phenoxy)ethoxy)ethoxy)acetamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>55</sub>H<sub>57</sub>ClFN<sub>7</sub>O<sub>8</sub>S·½H<sub>2</sub>O

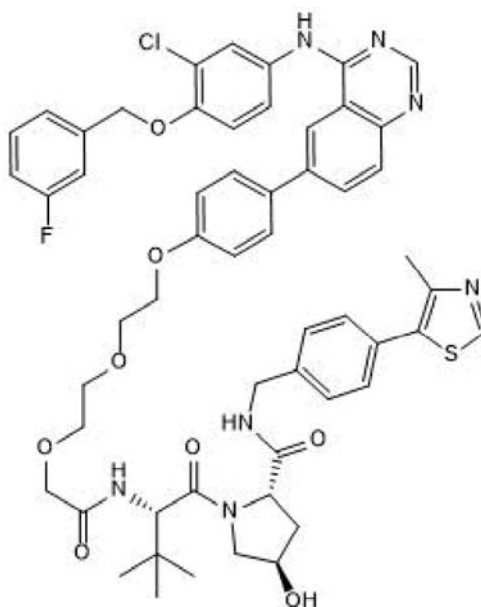
**Batch Molecular Weight:** 1039.62

**Physical Appearance:** Pale yellow solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98.9% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	63.54	5.62	9.43
Found	63.11	5.64	9.38

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**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

[www.tocris.com/distributors](http://www.tocris.com/distributors)

Tel: +1 612 379 2956

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**Description:**

Potent EGFR PROTAC<sup>®</sup> Degradator (DC<sub>50</sub> values are 39.2 nM for wild-type EGFR in OVCAR8 cells and 736 nM for Exon20Ins mutated EGFR in HeLa cells). Also degrades HER2. SJF 1528 comprises the EGFR inhibitor lapatinib (Cat. No. 6811) joined by a linker to a von Hippel-Lindau (VHL) recruiting ligand. Inhibits proliferation of HER2-driven breast cancer cell lines (IC<sub>50</sub> = 102 nM for SKBr3 cells). PROTAC<sup>®</sup> is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

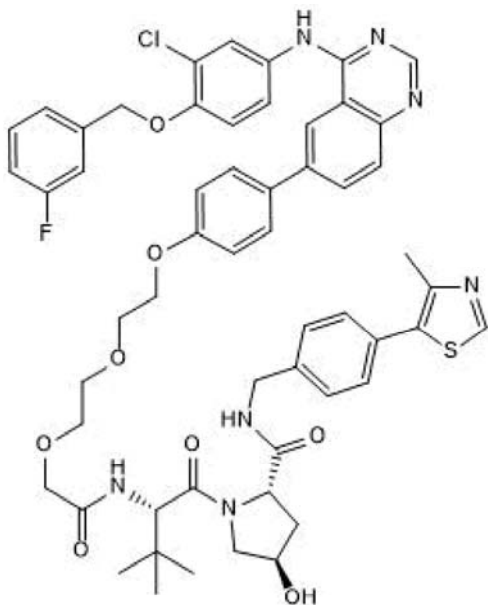
Batch Molecular Formula: C<sub>55</sub>H<sub>57</sub>ClFN<sub>7</sub>O<sub>8</sub>S·½H<sub>2</sub>O

Batch Molecular Weight: 1039.62

Physical Appearance: Pale yellow 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. 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:**

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

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