



Certificate of Analysis

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Product Name: SJF 1521 Catalog No.: 7261 Batch No.: 1

CAS Number: 2230821-40-4

 $IUPAC\ Name: (2S,4R)-1-((S)-2-(tert-Butyl)-14-(4-((3-chloro-4-((3-fluorobenzyl)oxy)phenyl)amino) quinazolin-6-yl)phenoxy)-4-((3-fluorobenzyl)oxy)phenyl)amino) quinazolin-6-yl)phenoxy)-4-((3-fluorobenzyl)oxy)-4-((3-$

oxo-6,9,12-trioxa-3-azatetradecanoyl)-4-hydroxy-N-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₇H₆₁CIFN₇O₉S.1¼H₂O

Batch Molecular Weight: 1097.18

Physical Appearance: Pale green/yellow solid

Solubility: DMSO to 100 mM Storage: Store at -20°C

Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows 99.2% purity

¹H NMR: Consistent with structure Mass Spectrum: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

Theoretical 62.4 5.83 8.94 Found 62.09 5.79 8.94

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

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Product Information

Print Date: Mar 14th 2024

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Description:

SJF 1521 is a selective EGFR PROTAC® Degrader. SJF 1521 comprises the EGFR inhibitor lapatinib (Cat. No. 6811) joined by a linker to a von Hippel-Lindau (VHL) recruiting ligand. Exhibits selectivity for EGFR, including mutant forms, over HER2. Induces degradation of EGFR in OVCAR8 cells. EGFR antibody validated for Simple Western™ (automated Western) instruments and Western Blot also available: Catalog # AF231 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: C₅₇H₆₁CIFN₇O₉S.1½H₂O

Batch Molecular Weight: 1097.18

Physical Appearance: Pale green/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. *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:

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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