

Product Name: SJF 1521

Catalog No.: 7261

Batch No.: 1

CAS Number: 2230821-40-4

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(*tert*-Butyl)-14-(4-(4-((3-chloro-4-((3-fluorobenzyl)oxy)phenyl)amino)quinazolin-6-yl)phenoxy)-4-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: C₅₇H₆₁ClFN₇O₉S.1¼H₂O

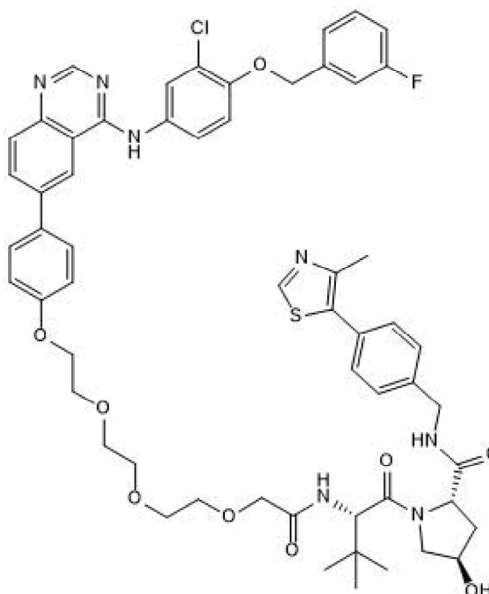
Batch Molecular Weight: 1097.18

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

Product Name: SJF 1521

Catalog No.: 7261

1

CAS Number: 2230821-40-4

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(*tert*-Butyl)-14-(4-(4-((3-chloro-4-((3-fluorobenzyl)oxy)phenyl)amino)quinazolin-6-yl)phenoxy)-4-oxo-6,9,12-trioxa-3-azatetradecanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

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:

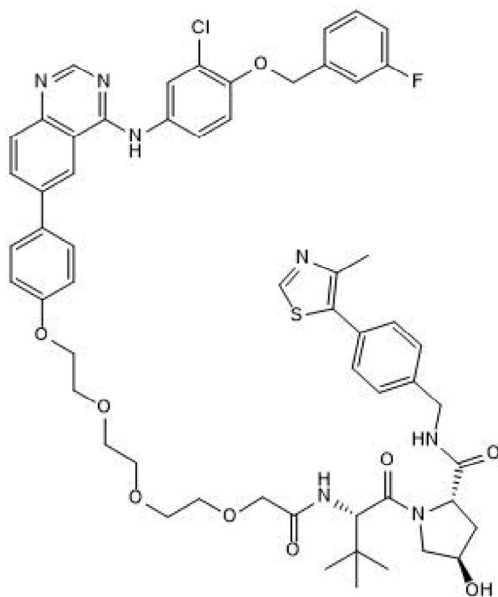
Batch Molecular Formula: C₅₇H₆₁ClFN₇O₉S.1¼H₂O

Batch Molecular Weight: 1097.18

Physical Appearance: Pale green/yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

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

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

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
Tel:+1 612 379 2956