

Product Name: LC 2 Epimer

Catalog No.: 7421

Batch No.: 1

CAS Number: 2502156-12-7

IUPAC Name: (2*S*,4*S*)-1-((*S*)-2-(3-(3-((*S*)-2-(((7-(8-Chloronaphthalen-1-yl)-4-((*S*)-3-(cyanomethyl)-4-(2-fluoroacryloyl)piperazin-1-yl)-5,6,7,8-tetrahydropyrido[3,4-*d*]pyrimidin-2-yl)oxy)methyl)pyrrolidin-1-yl)propoxy)propanamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₉H₇₁ClFN₁₁O₇S.2H₂O

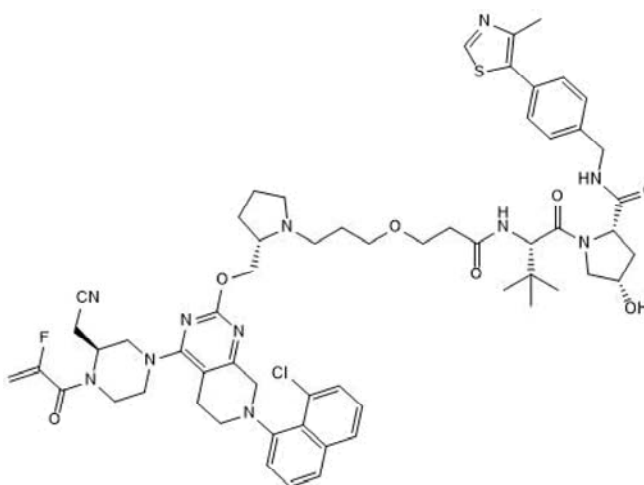
Batch Molecular Weight: 1168.83

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	60.63	6.47	13.18
Found	60.21	6.07	13.05

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

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Description:

Negative control for LC 2 (Cat. No. 7420).

Physical and Chemical Properties:

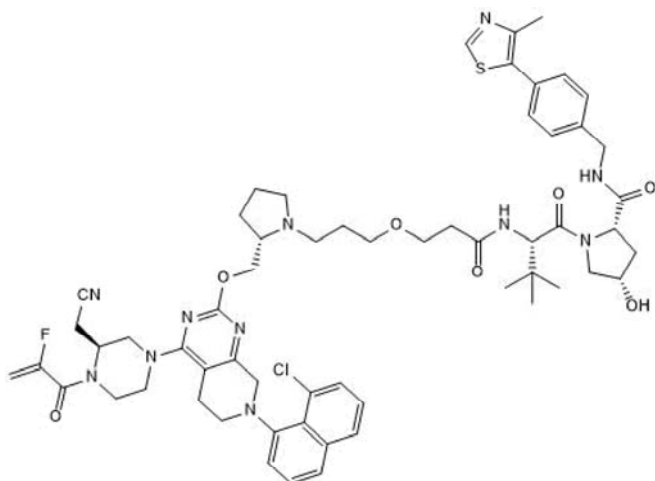
Batch Molecular Formula: C₅₉H₇₁ClFN₁₁O₇S.2H₂O

Batch Molecular Weight: 1168.83

Physical Appearance: Off-white solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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:

Bond et al (2020) Targeted degradation of oncogenic KRAS G^{12C} by VHL-recruiting PROTACs. *ACS Cent.Sci.* **6** 1367. PMID: 32875077.

De Vita et al (2020) The missing link between (un)druggable and degradable KRAS. *ACS Cent.Sci.* **6** 1281. PMID: 32875070.

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