

Product Name: VH 032 amide-PEG3-amine

Catalog No.: 6463

Batch No.: 3

CAS Number: 2376990-24-6

IUPAC Name: (2*S*,4*R*)-1-((*S*)-14-amino-2-(tert-butyl)-4-oxo-6,9,12-trioxa-3-azatetradecan-1-yl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

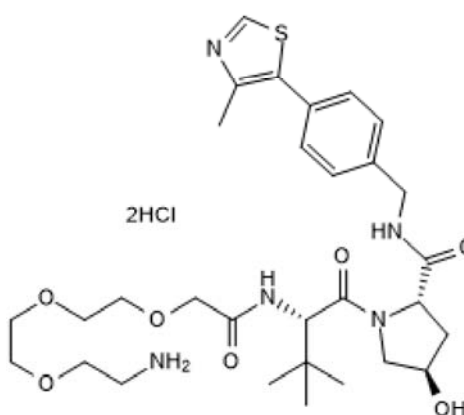
Batch Molecular Formula: C₃₀H₄₅N₅O₇S.2HCl.1¼H₂O

Batch Molecular Weight: 715.21

Physical Appearance: Off White solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	50.38	6.98	9.79	9.91
Found	50.79	7.34	9.71	9.05

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

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Description:

Functionalized von-Hippel-Lindau protein ligand (VHL) for PROTAC[®] research and development; incorporates an E3 ligase ligand plus a PEG linker ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D. This product has been recently renamed. The previous name for this product was VH 032 - linker 1 PROTAC[®] is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

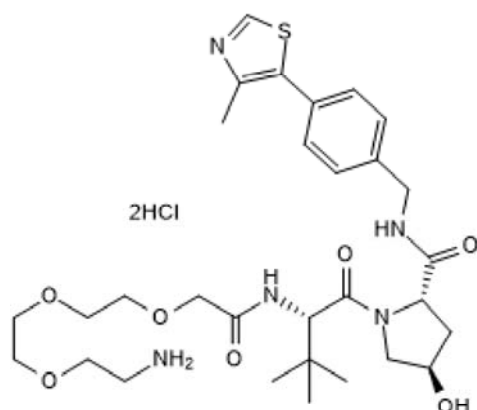
Batch Molecular Formula: C₃₀H₄₅N₅O₇S.2HCl.1¼H₂O

Batch Molecular Weight: 715.21

Physical Appearance: Off White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C. This product is packaged under an inert atmosphere.

Solubility & Usage Info:

Standard retail vials are prepared by lyophilisation. The product may appear as a solid, a gel or a film. 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:

Salami et al (2017) Waste disposal-An attractive strategy for cancer therapy. *Science* **355** 1163. PMID: 28302825.

Zengerle et al (2015) Selective small molecule induced degradation of the BET bromodomain protein BRD4. *ACS Chem. Biol.* **10** 1770. PMID: 26035625.

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