

Product Name: VH 032 - linker 5

Catalog No.: 6680

Batch No.: 1

CAS Number: 2172819-74-6

IUPAC Name: 6-(((S)-1-((2S,4R)-4-hydroxy-2-((4-(4-methylthiazol-5-yl)benzyl)carbamoyl)pyrrolidin-1-yl)-3,3-dimethyl-1-oxobutan-2-yl)amino)-6-oxohexanoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₃₈N₄O₆S.¾H₂O

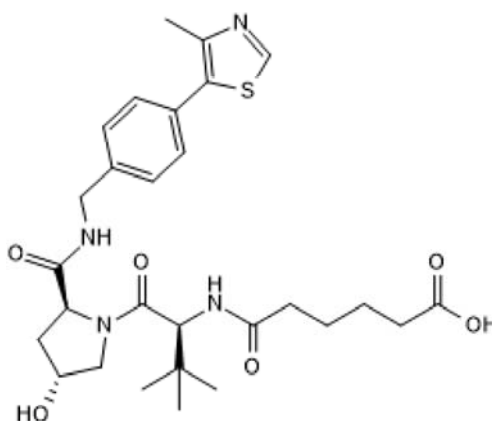
Batch Molecular Weight: 572.2

Physical Appearance: White solid

Solubility: DMSO to 100 mM
DMF to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.45 (Dichloromethane:Methanol [95:5])

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.77	6.96	9.79
Found	58.47	6.93	9.77

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Description:

Functionalized von-Hippel-Lindau protein ligand (VHL) for PROTAC research and development; incorporates an E3 ligase ligand plus alkylC4 linker with terminal carboxylic acid ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D.

Physical and Chemical Properties:

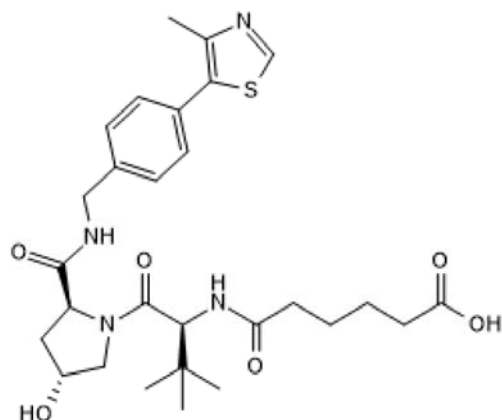
Batch Molecular Formula: C₂₈H₃₈N₄O₆S.¾H₂O

Batch Molecular Weight: 572.2

Physical Appearance: White solid

Minimum Purity: >95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

DMF 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:

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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