

Product Name: VH 032, propargyl

Catalog No.: 6683

Batch No.: 1

CAS Number: 2098799-78-9

IUPAC Name: (2*S*,4*R*)-1-((*S*)-3,3-Dimethyl-2-(2-(prop-2-yn-1-yloxy)acetamido)butanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₃₄N₄O₅S.1.33H₂O

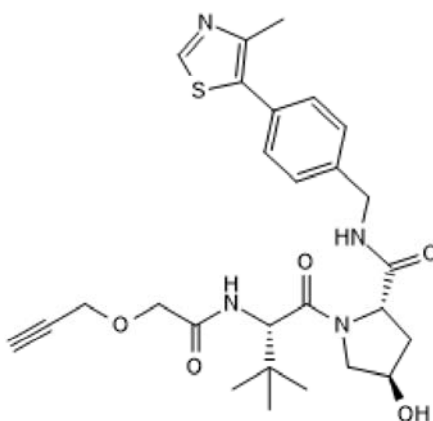
Batch Molecular Weight: 550.6166

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 = 0.31 (Dichloromethane:Methanol [95:5])

HPLC: Shows 99.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.9	6.71	10.18
Found	58.55	6.32	10.21

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 with terminal propargyl ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D. PROTAC[®] is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

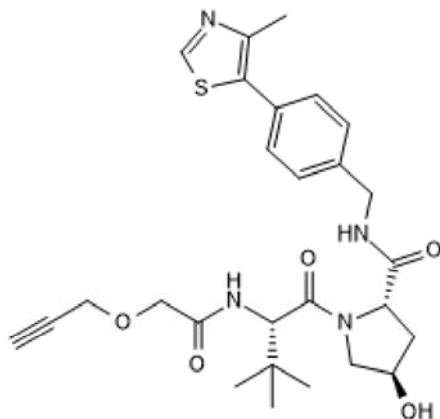
Batch Molecular Formula: C₂₇H₃₄N₄O₅S.1.33H₂O

Batch Molecular Weight: 550.6166

Physical Appearance: White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



References:

Wurz *et al* (2018) A "click chemistry platform" for the rapid synthesis of bispecific molecules for inducing protein degradation. *J.Med.Chem.* **61** 453. PMID: 28378579.

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.

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