

**Product Name:** VH 101, phenol

**Catalog No.:** 6952

**Batch No.:** 2

CAS Number: 2306193-99-5

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(1-Fluorocyclopropane-1-carboxamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(2-hydroxy-4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

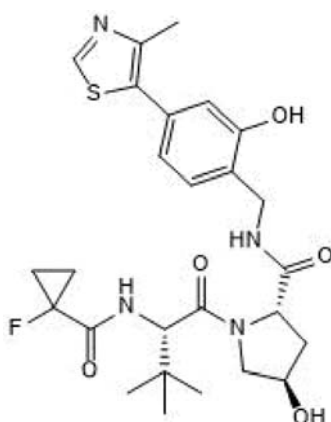
**Batch Molecular Formula:** C<sub>26</sub>H<sub>33</sub>FN<sub>4</sub>O<sub>5</sub>·½H<sub>2</sub>O

**Batch Molecular Weight:** 541.64

**Physical Appearance:** White solid

**Storage:** Store at +4°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.4% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	57.66	6.33	10.34
Found	57.23	6.37	10.31

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 hydroxyl 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:**

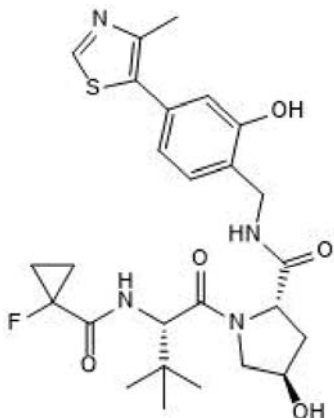
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Batch Molecular Weight: 541.64

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**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.

**Licensing Information:**

Sold under licence from the University of Dundee.

**References:**

**Farnaby et al** (2019) BAF complex vulnerabilities in cancer demonstrated via structure-based PROTAC design. *Nat.Chem.Biol.* **15** 672. PMID: 31178587.

**Girardini et al** (2019) Cereblon versus VHL: hijacking E3 ligases against each other using PROTACs. *Bioorg.Med.Chem.* **27** 2466. PMID: 30826187.

**Zoppi et al** (2019) Iterative design and optimization of initially inactive Proteolysis Targeting Chimeras (PROTACs) identify VZ185 as a potent, fast, and selective Von Hippel-Lindau (VHL) based dual degrader probe of BRD9 and BRD7. *J.Med.Chem.* **62** 699. PMID: 30540463.

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