

**Product Name:** VH 032, amine

**Catalog No.:** 6462

**Batch No.:** 2

CAS Number: 2137142-47-1

IUPAC Name: (4*R*)-3-Methyl-L-valyl-4-hydroxy-*N*-[[4-(4-methyl-5-thiazolyl)phenyl]methyl]-L-prolinamide dihydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

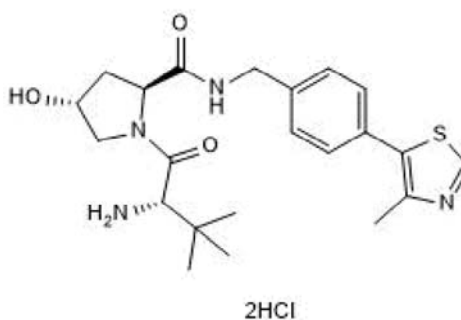
**Batch Molecular Formula:** C<sub>22</sub>H<sub>30</sub>N<sub>4</sub>O<sub>3</sub>S.2HCl.2¼H<sub>2</sub>O

**Batch Molecular Weight:** 544.02

**Physical Appearance:** Off-white solid

**Storage:** Desiccate at RT

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.9% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	48.57	6.76	10.3
Found	48.61	6.94	9.9

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**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956

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**Description:**

VH 032, amine is a derivative of the von Hippel-Lindau (VHL) ligand, VH 032; commonly used as a precursor to a PROTAC<sup>®</sup> that hijacks VHL as the E3 ubiquitin ligase component. Supplied with a primary amine functional handle at a position known not to significantly affect binding to VHL, for ready conjugation to a linker/target protein ligand. Please contact us for SD files of our available Degradation Building Blocks. PROTAC<sup>®</sup> is a registered trademark of Arvinas Operations, Inc., and is used under license. Require a different derivative? Get in touch Please see product specific page on www.tocris.com for full description.

**Physical and Chemical Properties:**

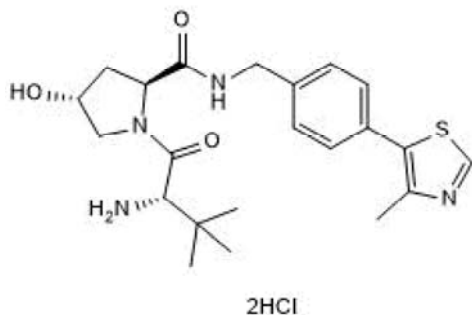
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Batch Molecular Weight: 544.02

Physical Appearance: Off-white solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Desiccate at RT

**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:**

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

**Galdeano et al** (2014) Structure-guided design and optimization of small molecules targeting the protein-protein interaction between the von Hippel-Lindau (VHL) E3 ubiquitin ligase and the hypoxia inducible factor (HIF) alpha subunit with in vitro nanomolar affinities. J.Med.Chem. **57** 8657.

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<b>bio-techne.com</b> info@bio-techne.com techsupport@bio-techne.com	<b>North America</b> Tel: (800) 343 7475	<b>China</b> info.cn@bio-techne.com Tel: +86 (21) 52380373	<b>Europe Middle East Africa</b> Tel: +44 (0)1235 529449	<b>Rest of World</b> www.tocris.com/distributors Tel:+1 612 379 2956
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