Print Date: Aug 12th 2020

Certificate of Analysis

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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

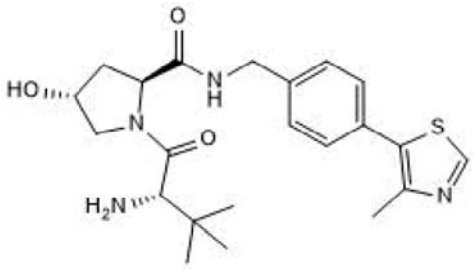
Batch Molecular Formula: $C_{22}H_{30}N_4O_3S.2HCl.2¼H_2O$

Batch Molecular Weight: 544.02

Physical Appearance: Off-white solid

Storage: Desiccate at RT

Batch Molecular Structure:



2HCl

2. ANALYTICAL DATA

HPLC: Shows 98.9% purity

^{1}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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Product Information

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Description:

Derivative of the von Hippel-Lindau (VHL) ligand, VH 032; commonly used as a precursor to a PROTAC® 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. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Require a different derivative? Get in touch

Physical and Chemical Properties:

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Minimum Purity: ≥98%

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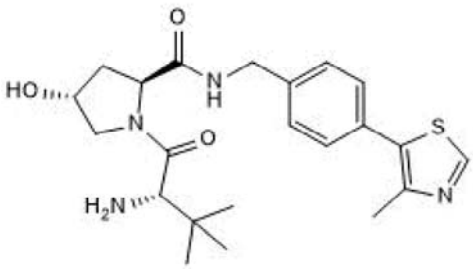

2HCl

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.