

Product Name: CM 11

Catalog No.: 6416

Batch No.: 3

CAS Number: 2244684-49-7

IUPAC Name: *N*¹,*N*²⁰-bis((*S*)-1-((2*S*,4*R*)-4-Hydroxy-2-((4-(4-methylthiazol-5-yl)benzyl)carbamoyl)pyrrolidin-1-yl)-3,3-dimethyl-1-oxobutan-2-yl)-3,6,9,12,15,18-hexaoxaicosanediamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₈H₈₂N₈O₁₄S₂·1½H₂O

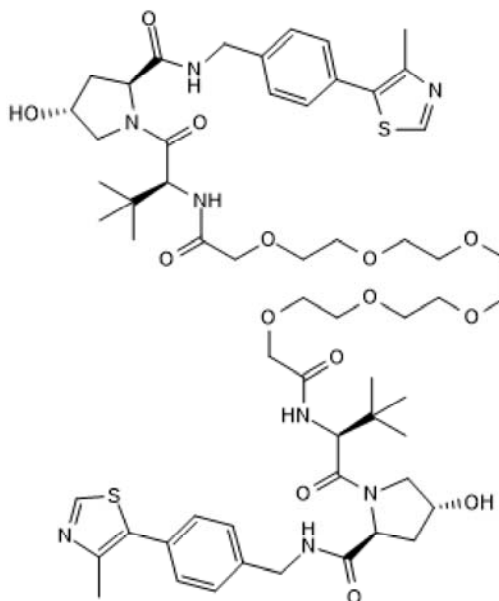
Batch Molecular Weight: 1206.48

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

Carbon Hydrogen Nitrogen

	Carbon	Hydrogen	Nitrogen
Theoretical	57.74	7.1	9.29
Found	57.4	7.14	9.18

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

CM 11 is a PROTAC® for self-degradation of the long form of VHL, pVHL30 (DC₅₀ < 100 nM). Composed of two VHL ligands joined by a linker. Exhibits > 1000-fold increased cellular activity compared to the parent VHL ligand, VH 032. Dimerizes pVHL30 with high avidity in vitro. Induced potent and rapid self-degradation of VHL in cell lines in a highly isoform dependent fashion. Negative control CMP 98 (Cat. No. 6417) also available. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

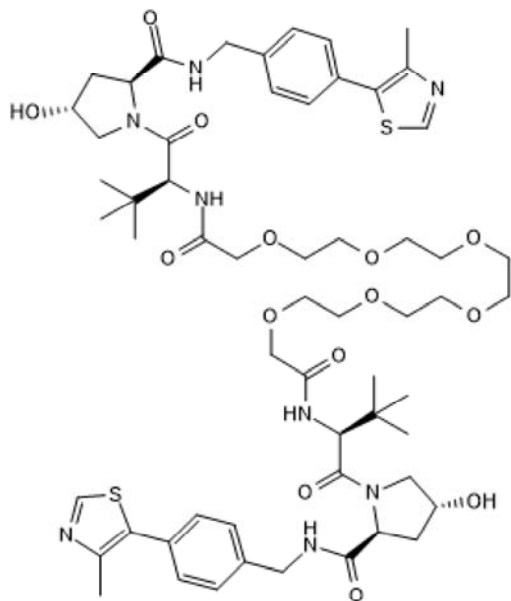
Batch Molecular Formula: C₅₈H₈₂N₈O₁₄S₂·1½H₂O

Batch Molecular Weight: 1206.48

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Maniaci *et al* (2017) Homo-PROTACs: bivalent small-molecule dimerizers of the VHL E3 ubiquitin ligase to induce self-degradation. *Nat. Commun.* **8** 830. PMID: 29018234.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO 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.

Licensing Information:

Sold under licence from the University of Dundee

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