

Product Name: CRBN PROTAC 14a

Catalog No.: 7219

Batch No.: 1

CAS Number: 2358775-70-7

IUPAC Name: *N*¹-(2-((2-(2,6-Dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl)amino)ethyl)-*N*²⁰-((*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)-3,9,12,18-tetraoxaicosanediamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₃H₇₂N₈O₁₃S₃·³/₄H₂O

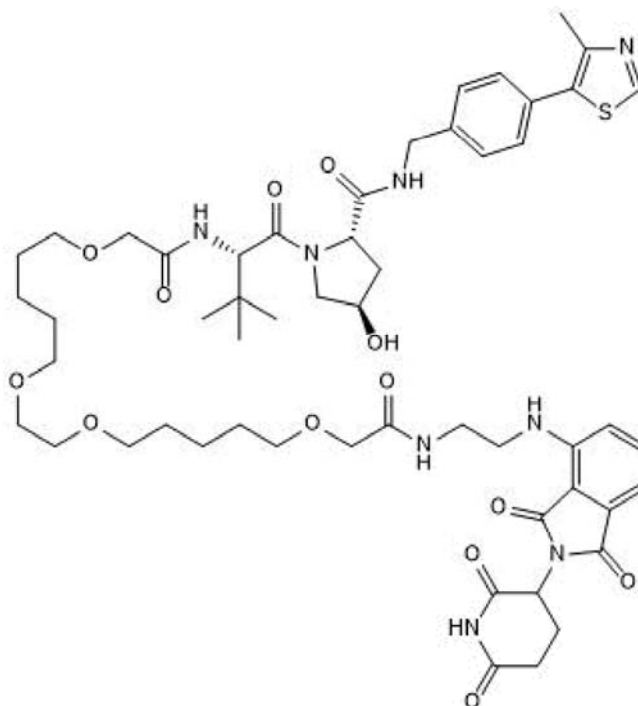
Batch Molecular Weight: 1074.77

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.23	6.89	10.43
Found	58.92	6.82	10.38

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

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Description:

Cereblon Degrader. Comprises a ligand for Von Hippel Lindau (VHL) protein joined by a linker to a cereblon targeting ligand. Preferentially degrades cereblon (DC₅₀ = 200 nM in HEK293 cells). Induces rapid and profound cereblon degradation (98% decrease after 8 h at 1 μM in HEK293 cells).

Physical and Chemical Properties:

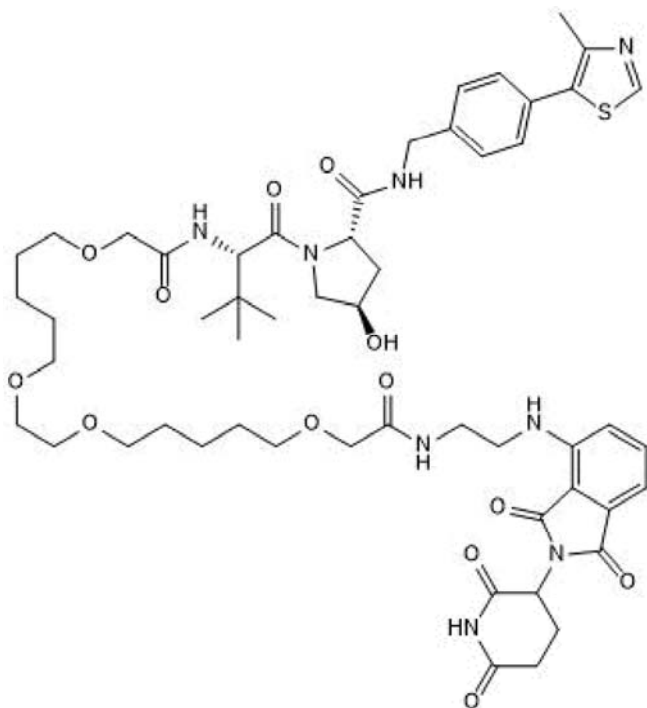
Batch Molecular Formula: C₅₃H₇₂N₈O₁₃S.¾H₂O

Batch Molecular Weight: 1074.77

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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

References:

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

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