

Product Name: dTRIM 24

Catalog No.: 6607

Batch No.: 1

CAS Number: 2170695-14-2

IUPAC Name: (2*S*,4*R*)-1-((*S*)-15-(*tert*-Butyl)-1-(3-(*N*-(1,3-dimethyl-2-oxo-6-(3-propoxyphenoxy)-2,3-dihydro-1*H*-benzo[*d*]imidazol-5-yl)sulfamoyl)phenyl)-1,13-dioxo-5,8,11-trioxa-2,14-diazahexadecan-16-oyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₅H₆₈N₈O₁₃S₂·2H₂O

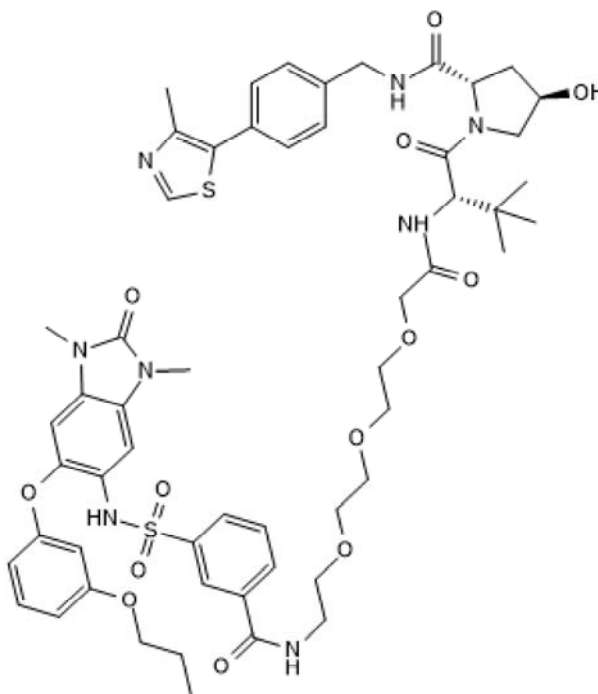
Batch Molecular Weight: 1149.33

Physical Appearance: White solid

Solubility: DMSO to 20 mM
ethanol to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (Dichloromethane:Methanol [95:5])

HPLC: Shows 99.3% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

Carbon Hydrogen Nitrogen

	Theoretical	57.48	6.31	9.75
Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use	Found	57.47	6.17	9.84

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Description:

Degrader (PROTAC[®]) composed of the TRIM24 ligand IACS-9571 conjugated to a VHL ligand. Displays dose- and time-dependent degradation of TRIM24 in cells, with maximum degradation achieved at 5 μM. Degradation phenotypically mirrors genetic deletion of TRIM24. Demonstrates antiproliferative effects in MOLM-13 cells. Cell permeable. PROTAC[®] is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

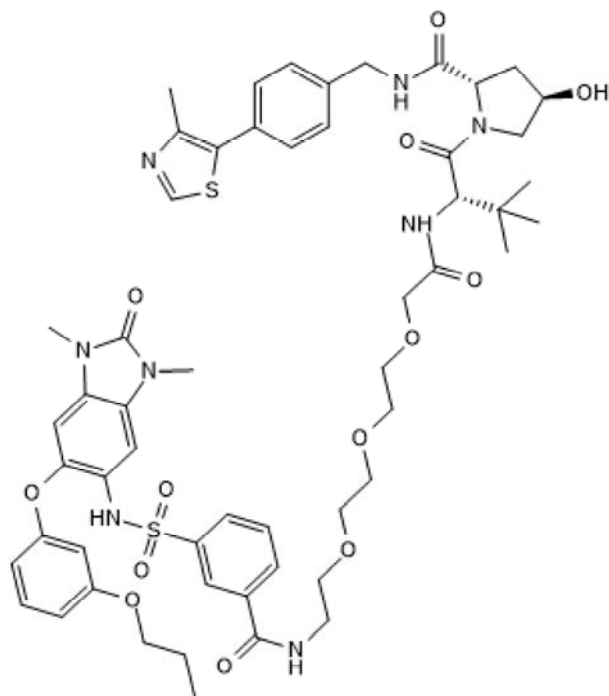
Batch Molecular Formula: C₅₅H₆₈N₈O₁₃S₂·2H₂O

Batch Molecular Weight: 1149.33

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 mM

ethanol to 20 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 license from Dana-Farber Cancer Institute

References:

Gechijian et al (2018) Functional TRIM24 degrader via conjugation of ineffectual bromodomain and VHL ligands. *Nat.Chem.Biol.* **14** 405. PMID: 29507391.

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