

Product Name: A 410099.1 amide-PEG4-amine

Catalog No.: 7220

Batch No.: 1

CAS Number: 2446474-10-6

IUPAC Name: *tert*-Butyl ((*S*)-1-(((*S*)-2-((2*S*,4*S*)-4-(14-amino-3,6,9,12-tetraoxatetradecanamido)-2-(((*R*)-1,2,3,4-tetrahydronaphthalen-1-yl)carbamoyl)pyrrolidin-1-yl)-1-cyclohexyl-2-oxoethyl)amino)-1-oxopropan-2-yl)(methyl) carbamate

1. PHYSICAL AND CHEMICAL PROPERTIES

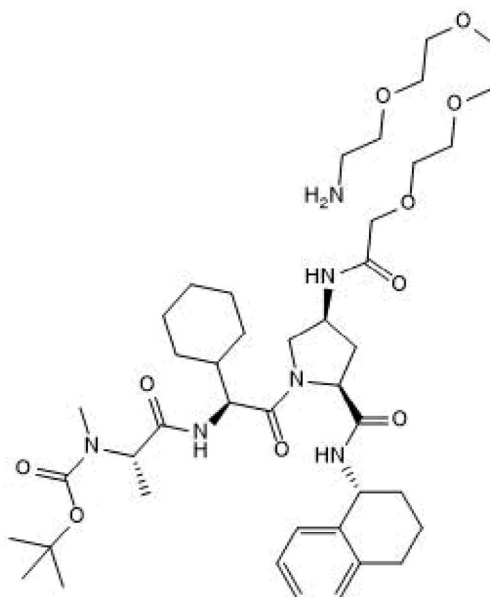
Batch Molecular Formula: C₄₂H₆₈N₆O₁₀·¼H₂O

Batch Molecular Weight: 821.52

Physical Appearance: White solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.4	8.4	10.23
Found	61.18	8.27	10.4

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

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Description:

A 410099.1 amide-PEG4-amine is a functionalized IAP ligand for PROTAC® research and development; incorporates an IAP ligand plus an amide-PEG4 linker with terminal amine ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D. Please contact us for SD files of our available Degradation Building Blocks. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

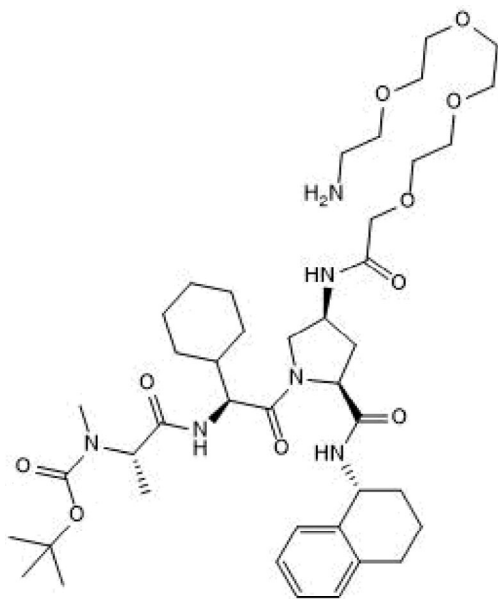
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Batch Molecular Weight: 821.52

Physical Appearance: White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C. This product is packaged under an inert atmosphere.

Solubility & Usage Info:

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Tinworth *et al* (2019) PROTAC-mediated degradation of Bruton's tyrosine kinase is inhibited by covalent binding. ACS Biol.Chem. **14** 342. PMID: 30807093.

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