

**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

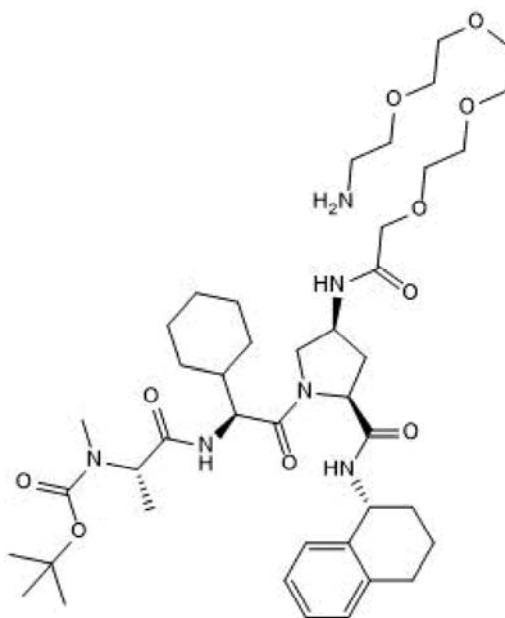
**Batch Molecular Formula:** C<sub>42</sub>H<sub>68</sub>N<sub>6</sub>O<sub>10</sub>·¼H<sub>2</sub>O

**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

**<sup>1</sup>H 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:**

Functionalized IAP ligand for PROTAC<sup>®</sup> 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. PROTAC<sup>®</sup> is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

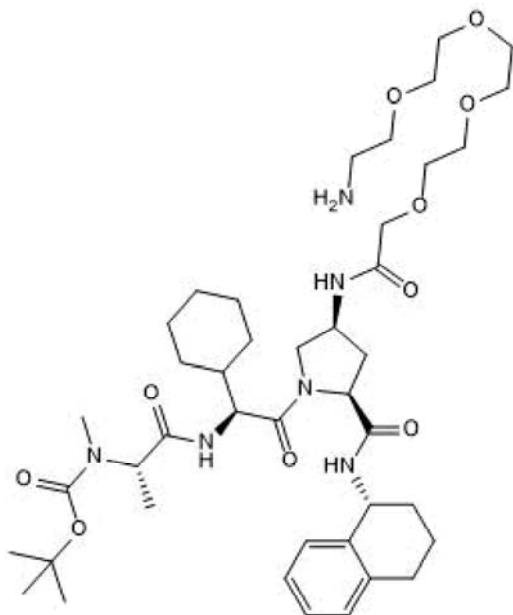
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Batch Molecular Weight: 821.52

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:**

Standard retail vials are prepared by lyophilisation. The product may appear as a solid, a gel or a film. 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. 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:**

**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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