

Product Name: A 410099.1 amide-PEG4-amine

Catalog No.: 7220

Batch No.: 1

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

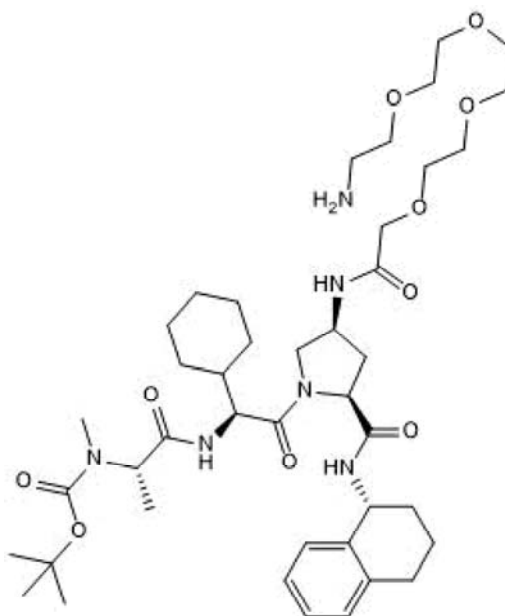
Batch Molecular Formula: C₄₂H₆₈N₆O₁₀·¼H₂O

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:

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. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

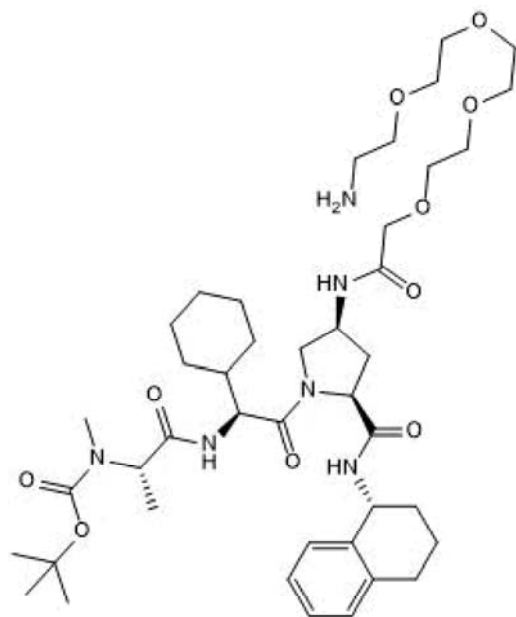
Batch Molecular Formula: C₄₂H₆₈N₆O₁₀·½H₂O

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.

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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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956