

Product Name: BromoTag® AGB1

Catalog No.: 7686

Batch No.: 1

CAS Number: 2776190-62-4

IUPAC Name: (S)-13-((2S,4R)-4-Hydroxy-2-((4-(4-methylthiazol-5-yl)benzyl)carbamoyl)pyrrolidine-1-carbonyl)-14,14-dimethyl-11-oxo-3,6,9-trioxa-12-azapentadecyl (R)-2-((S)-4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)butanoate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₁H₆₃ClN₈O₉S₂.H₂O

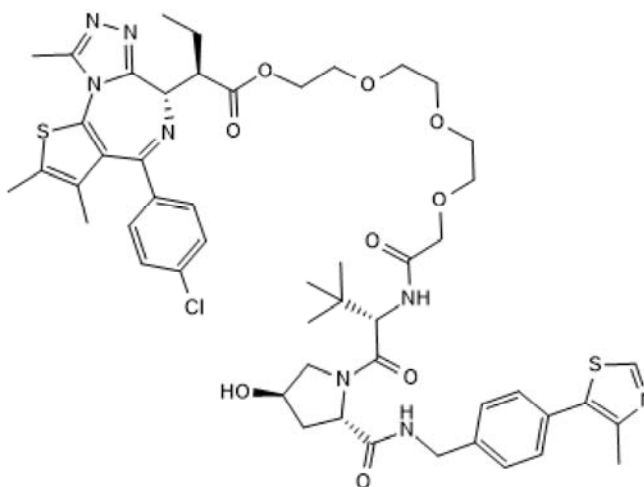
Batch Molecular Weight: 1049.7

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.36	6.24	10.68
Found	58.05	6.26	10.6

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

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

Product Name: BromoTag® AGB1

Catalog No.: 7686

1

CAS Number: 2776190-62-4

IUPAC Name: (S)-13-((2S,4R)-4-Hydroxy-2-((4-(4-methylthiazol-5-yl)benzyl)carbamoyl)pyrrolidine-1-carbonyl)-14,14-dimethyl-11-oxo-3,6,9-trioxa-12-azapentadecyl (R)-2-((S)-4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)butanoate

Description:

BromoTag® AGB1 is a highly selective and potent "Bump & Hole" TAG Degradator ($DC_{50,6h} < 15$ nM, $t_{1/2}$ for protein degradation = 40 min). BromoTag AGB1 comprises a VHL E3 ligase ligand joined by a linker to a (+)-JQ1 (Cat. No. 4499) derivative (the "bump" bearer) that selectively binds the Brd4^{BD2} L387A variant (the "hole"). In cell lines expressing a fusion of the target protein with the tag, Brd4^{BD2} L387A, BromoTag AGB1 drives formation of a ternary complex between VHL and the "BromoTagged" protein, leading to ubiquitination of the protein and its subsequent proteasomal degradation. BromoTag... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

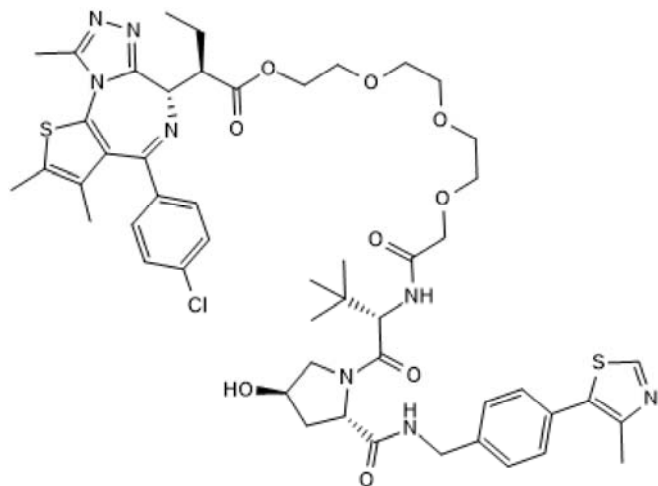
Batch Molecular Formula: C₅₁H₆₃ClN₈O₉S₂·H₂O

Batch Molecular Weight: 1049.7

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Bond et al (2021) Development of BromoTag: a 'Bump-and-Hole'-PROTAC system to induce potent, rapid, and selective degradation of tagged target proteins. *J.Med.Chem.* **64** 15477. PMID: 34652918.

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 exclusive licence from the University of Dundee

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

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