

Product Name: proTAME

Catalog No.: 7734

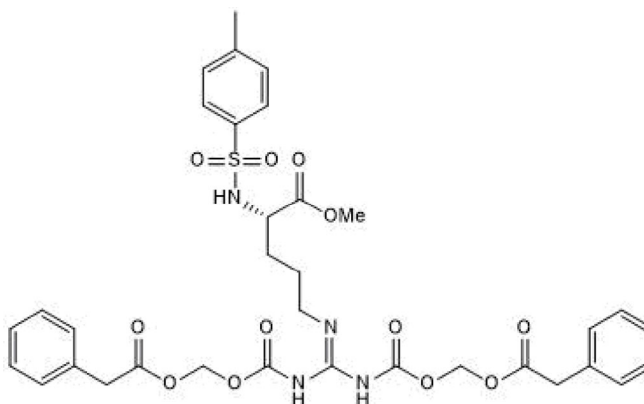
Batch No.: 1

CAS Number: 1362911-19-0

IUPAC Name: Methyl (2S)-2-[[[4-methylphenyl)sulfonyl]amino]-9,13-dioxo-14-phenyl-7-[[[(2-phenylacetyl)oxy]methoxy]carbonyl]amino]-10,12-dioxo-6,8-diazatetradec-6-enoate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₄H₃₈N₄O₁₂S.
Batch Molecular Weight: 726.75
Physical Appearance: White gum
Solubility: DMSO to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	56.19	5.27	7.71
Found	56.06	5.2	7.61

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

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Description:

ProTAME is a cell-permeable APC/C (anaphase-promoting complex/cyclosome) inhibitor. It is converted to TAME (Tosyl-L-Arginine Methyl Ester) by intracellular esterases. It induces cell cycle arrest in metaphase followed by cell death.

Physical and Chemical Properties:

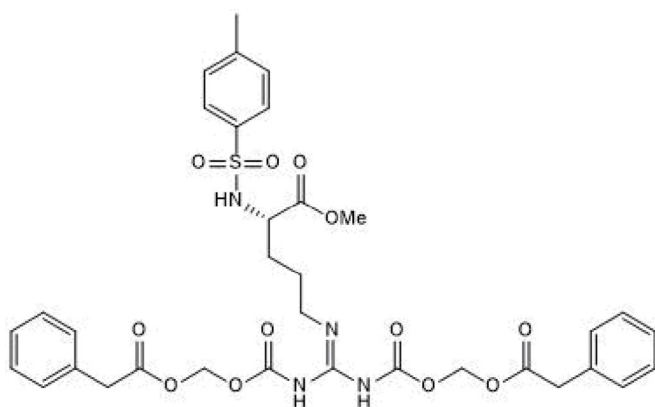
Batch Molecular Formula: C₃₄H₃₈N₄O₁₂S.

Batch Molecular Weight: 726.75

Physical Appearance: White gum

Minimum Purity: ≥90%

Batch Molecular Structure:



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

Solubility & Usage Info:

DMSO to 50 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. *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:

Zeng *et al* (2010) Pharmacologic inhibition of the anaphase-promoting complex induces a spindle checkpoint-dependent mitotic arrest in the absence of spindle damage. *Cancer Cell* **18** 382. PMID: 20951947.

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