

Product Name: CST 626

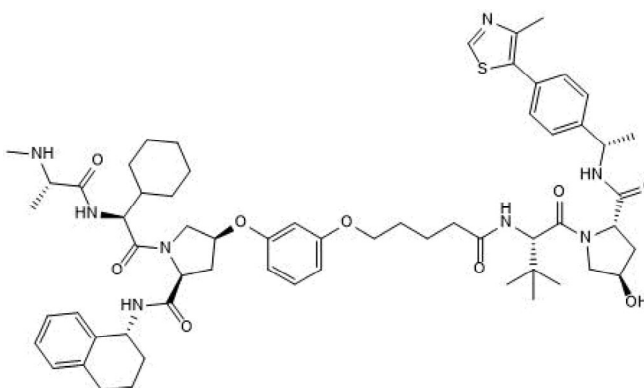
Catalog No.: 8021

Batch No.: 1

IUPAC Name: (2*S*,4*S*)-1-((*S*)-2-Cyclohexyl-2-((*S*)-2-(methylamino)propanamido)acetyl)-4-(3-((5-(((*S*)-1-((2*S*,4*R*)-4-hydroxy-2-(((*S*)-1-(4-(4-methylthiazol-5-yl)phenyl)ethyl)carbamoyl)pyrrolidin-1-yl)-3,3-dimethyl-1-oxobutan-2-yl)amino)-5-oxopentyl)oxy)phenoxy)-*N*-((*R*)-1,2,3,4-tetrahydronaphthalen-1-yl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆₁H₈₂N₈O₉S·³/₄H₂O
Batch Molecular Weight: 1116.94
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.6	7.54	10.03
Found	64.55	7.46	9.72

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

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Description:

CST 626 is a potent IAP-VHL Degradator (PROTAC®). It induces IAP-VHL degradation in several hematological cell lines (IC₅₀ = 1.6, 2.1, 8.5 nM in SUDHL6, MOLM13 and NCI-H929 cells, respectively). Effect of CST 626 in MM.1S cells shows DC_{50,16h} values of 0.7, 2.4, and 6.2 nM and Dmax >99%, >99%, >90% for XIAP, cIAP1 and cIAP2, respectively. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

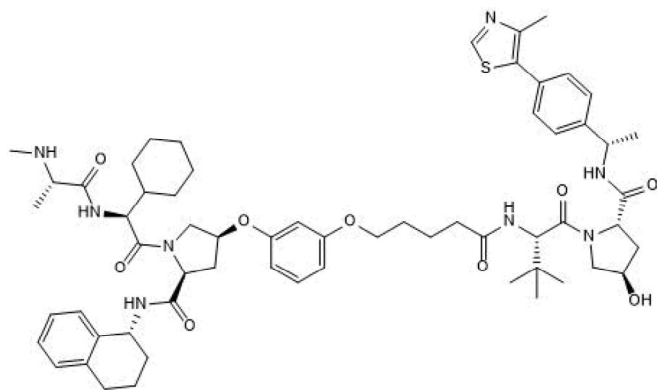
Batch Molecular Formula: C₆₁H₈₂N₈O₉S.¼H₂O

Batch Molecular Weight: 1116.94

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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. *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:

Ng et al (2023) Heterobifunctional ligase recruiters enable pan-degradation of inhibitor of apoptosis proteins. *J.Med.Chem.* **66** 4703. PMID: 36996313.

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