

Product Name: NAMPT PROTAC® A7

Catalog No.: 7842

Batch No.: 1

CAS Number: 2484876-94-8

IUPAC Name: (2*S*,4*R*)-1-((*S*)-18-(*tert*-Butyl)-1,16-dioxo-1-(4-((4-((3-(pyridin-3-ylmethyl)thioureido)phenyl)sulfonyl)piperazin-1-yl)methyl)phenyl)-5,8,11,14-tetraoxa-2,17-diazanonadecan-19-oyl)-4-hydroxy-*N*-((*S*)-1-(4-(4-methylthiazol-5-yl)phenyl)ethyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₈H₇₆N₁₀O₁₁S₃.H₂O

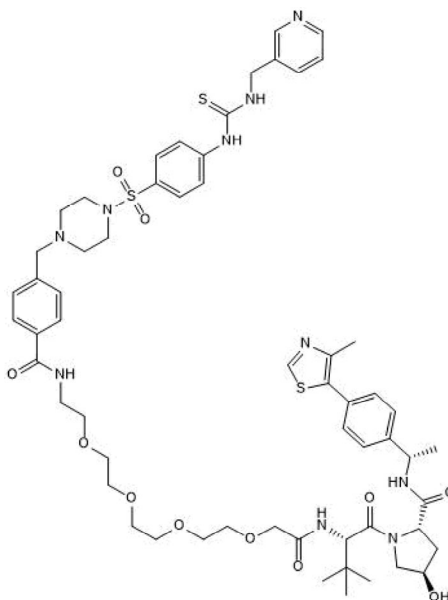
Batch Molecular Weight: 1203.51

Physical Appearance: White solid

Solubility: DMSO to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.88	6.53	11.64
Found	57.01	6.51	11.46

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

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Description:

NAMPT PROTAC A7 is a potent and selective intracellular nicotinamide phosphoribosyl transferase (iNAMPT) Degrader (PROTAC[®]) (IC₅₀ of 9.5 nM against the enzymatic activity of NAMPT). Comprises a potent NAMPT inhibitor joined by a linker to a ligand for Von Hippel-Lindau (VHL) protein. Proteomic analysis of global protein level changes confirms selectivity. NAMPT PROTAC A7 decreases iNAMPT level and the secretion of extracellular NAMPT (eNAMPT) in CT26 or MC38 cells. In CT26 tumor bearing BALB/c mice, the compound degrades tumoral NAMPT, and boosts antitumor immunity by inhibiting tumor infiltrating myeloid-derived suppressive cells. Anti... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

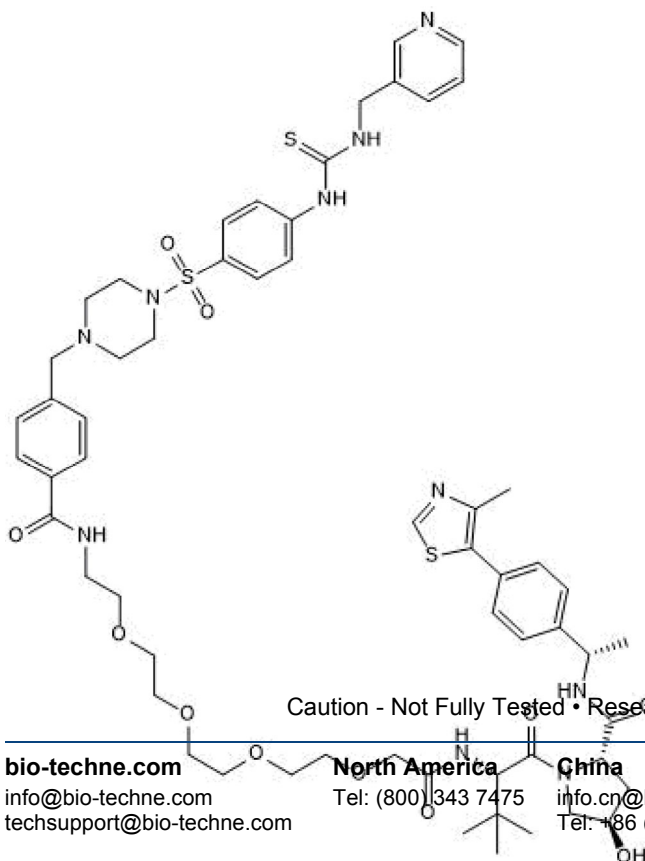
Batch Molecular Formula: C₅₈H₇₆N₁₀O₁₁S₃.H₂O

Batch Molecular Weight: 1203.51

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 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.

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References:

Wu *et al* (2022) NAMPT-targeting PROTAC promotes antitumor immunity via suppressing myeloid-derived suppressor cell expansion.