

Product Data Sheet

Product Name: (S,R,S)-AHPC-C3-NH₂ hydrochloride

Cat. No.: GC62018

Chemical Properties

Cas. No.

SMILES NCCCC(N[C@@H](C(C)(C)C)C(N1[C@H](C(NCC2=CC=C(C3=C(C)N=CS3)C=C2)=O)C[C@@H](O)C1)=O)=O.[H]Cl

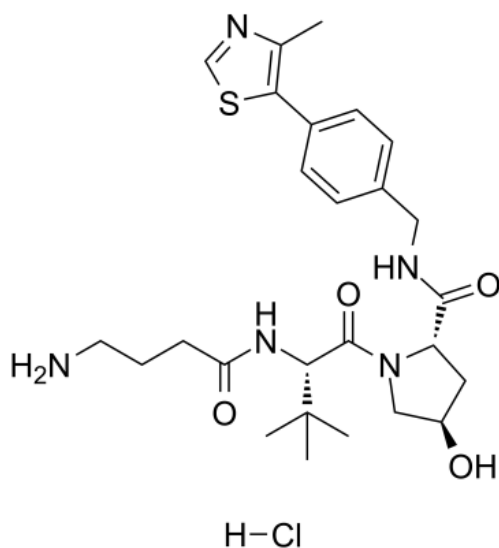
Formula C₂₆H₃₈ClN₅O₄S M.Wt 552.13

Solubility Storage 4°C, stored under nitrogen

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

(S,R,S)-AHPC-C3-NH₂ (VH032-C3-NH₂) hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the VH032 based VHL ligand and a linker used in PROTAC technology[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

[1]. Scheepstra M, et al. Bivalent Ligands for Protein Degradation in Drug Discovery. Comput Struct Biotechnol J. 2019;17:160-176. Published 2019 Jan 25.

[2]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

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