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(S,R,S)-AHPC-amido-C2-carboxylic acid

http://www.lumiprobe.com/p/ahpc-amido-c2-acid

Proteolysis targeting chimeras (PROTACs) are cell-permeable heterobifunctional molecules that can remove specific proteins from the cell. One end of such molecule contains a ligand to bind to the target, and the second end recruits the E3 ligase complex. Close proximity results in substrate polyubiquitination and subsequent protein degradation by cellular proteasome.

(S,R,S)-AHPC-amido-C2-carboxylic acid is a protein degrader building block for synthesizing molecules for targeted protein degradation and PROTAC technologies. This conjugate contains a von Hippel-Lindau (VHL)-recruiting ligand and a short C2 crosslinker with a carboxylic function group, which can be conjugated to amino-functionalized linkers and target protein ligands.

Structure of (S,R,S)-AHPC-amido-C2-carboxylic acid

General properties

Appearance: beige powder

Molecular weight: 530.64

CAS number: 2172819-72-4 Molecular formula: $C_{26}H_{34}N_4O_6S$

Solubility: methanol, ethyl acetate, DCM, THF, DMF, DMSO

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

Desiccate.

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efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic

products.