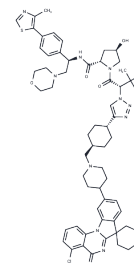


SMD-3236

Chemical Properties

CAS No. : 3033586-31-8
 Formula: C₆₁H₇₅ClN₁₀O₅S
 Molecular Weight: 1095.83
 Storage: Keep away from direct sunlight
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	SMD-3236 is a PRAOTAC degrader targeting SMARCA2, designed using SMARCA ligand and VHL-1 ligand, and exhibits prolonged anti-tumor activity in vivo. SMARCA2 acts as a synthetic lethal target in cancer cells lacking SMARCA4, with SMD-3236 showing 2000-fold selectivity for SMARCA2 over SMARCA4, having a DC50 of less than 1 nM and a Dmax of over 95%. In the human cancer xenograft models deficient in SMARCA4, notably the H838 model, SMD-3236 effectively induces loss of SMARCA2 in tumor tissue while sparing the SMARCA4 protein, thereby inhibiting tumor growth. The compound consists of a target protein ligand (red part) SMI-1074, a PROTAC linker (black part) (trans-4-Ethynylcyclohexyl)methyl methanesulfonate, and an E3 ligase ligand (blue part) SMARCA2 ligand-14, forming the E3LigaseLigand-linker Conjugate 159.
Targets(IC50)	Epigenetic Reader Domain,PROTACs

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9126 mL	4.5628 mL	9.1255 mL
5 mM	0.1825 mL	0.9126 mL	1.8251 mL
10 mM	0.0913 mL	0.4563 mL	0.9126 mL
50 mM	0.0183 mL	0.0913 mL	0.1825 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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