

SIM1

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	SIM1 is a potent and selective trivalent PROTAC®Degrader based on BET bromodomain inhibitors linked to a Von Hippel Lindau (VHL) ligand via branched linkers. SIM1 degrades all BET family proteins with a preference for BRD2 (DC50 values = 0.7 nM, 1.1 nM and 3.3 nM for BRD4, BRD2 and BRD3, respectively). SIM1 degrades BRD2 more significantly and rapidly than BRD3 and BRD4, and degrades BET proteins with a higher potency than a bivalent degrader. SIM1 also decreases protein levels for Myc and HMOX1 and induces apoptosis in prostate cancer cells.
Targets(IC50)	Epigenetic Reader Domain,PROTACs

Reference

Imaide et al (2021) Trivalent PROTACs enhance protein degradation via combined avidity and cooperativity Nat. Chem.Biol. 17 1157 PMID: 34675414

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481