Product Data Sheet

Product Name: E3 ligase Ligand-Linker Conjugates 8
Cat. No.: GC32987

Chemical Properties

Cas. No.	1835705-55-9		
SMILES	O=C([C@H]1N(C([C@H](C(C)(C)C)NC(CCCCCOCCOCCOCCCCCCCl)=O)=O)C[C@H](O)C1)NCC2=CC=C(C3=C(C)N=CS3)C=C2		
Formula	$C_{38}H_{59}ClN_4O_7S$	M.Wt	751.42
Solubility	Ethanol: 100 mg/mL (133.08 mM); DMSO: ≥ 100 mg/mL (133.08 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

E3 ligase Ligand-Linker Conjugates 8 is a synthesized compound that incorporates an E3 ligase ligand and a linker used in PROTAC technology.

E3 ligase Ligand-Linker Conjugates 8 uses the cereblon ligand[1]. The linker is 6-2-2-6. The linkers contain a mixture of hydrophobic and hydrophilic moieties to balance the hydrophobicity/hydrophilicity of the resulting hybrid compounds. PROTACs that induce the degradation of an oncogenic tyrosine kinase, BCR-ABL has been developed. E3 ligase Ligand-Linker Conjugates 8 can be attached to potent TKIs (bosutinib and dasatinib) that mediate the degradation of c-ABL and BCR-ABL by hijacking either CRBN or VHL E3 ubiquitin ligase [2].

[1]. US 20170121321 A1 [2]. Lai AC, et al. Modular PROTAC Design for the Degradation of Oncogenic BCR-ABL. Angew Chem Int Ed Engl. 2016 Jan 11;55(2):807-10.

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