Product Data Sheet

Product Name: aTAG 2139
Cat. No.: GC50630

Chemical Properties

Cas. No.	2387510-81-6		
SMILES	O=C(CCC1N2C(C3=C(C(OCC(NCCCCNC(C4=CC=C(C5=CC=C(N=CC(C(NC)=O)=C6NC7=CC=CC=C7)C6=C5)C=N4)=O)=O)=CC=C3		
Formula	$C_{42}H_{38}N_8O_8$	M.Wt	782.81
Solubility	Soluble in DMSO	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 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	aTAG 2139		

Background

Degrader of MTH1 fusion proteins for use within the aTAG system. Comprises a ligand selective for MTH1, a linker and the cereblon-binding ligand Thalidomide . Induces highly potent and selective degradation of fusion proteins after a 4 h incubation (DC50 = 0.27 nM; Dmax = 92.1%). Cell-permeable. Suitable for in vitro and in vivo applications. Mouse DMPK properties are provided in the supplementary file (see below). (MTH1 can be expressed as a fusion with a target protein of interest using genome engineering techniques via CRISPR-mediated locus-specific knock-in - see protocol for more information.)

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