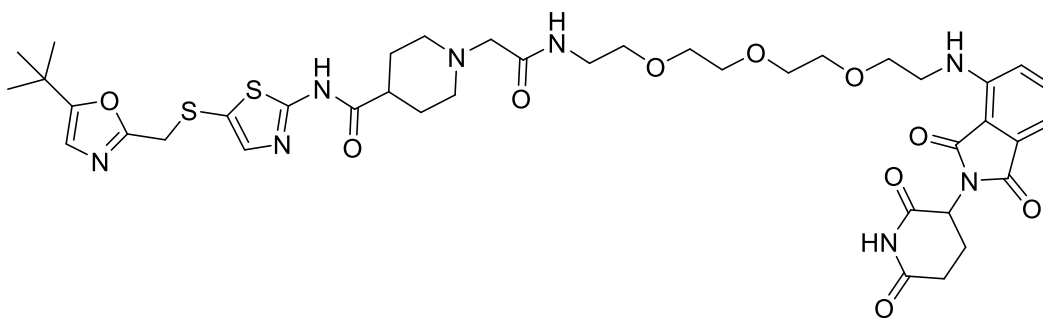


THAL-SNS-032



Chemical Formula: C₄₀H₅₂N₈O₁₀S₂

Molecular Weight: 869.0220

Category	Parameter	Description
Compound	Name	THAL-SNS-032
	Citation	<i>Nature Chem Biol</i> , 2018 , 14, 163-173
	Chemical descriptors	<chem>O=C(C1CCN(CC(NCCOCCOCCOCCNC2=C(C(N(C3C(NC(CC3)=O)=O)C4=O)=O)C4=CC=C2)=O)CC1)NC5=NC=C(SCC6=NC=C(C(C)(C)C)O6)S5</chem>
	Chemical name	N-(5-(((5-(tert-butyl)oxazol-2-yl)methyl)thio)thiazol-2-yl)-1-(14-((2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl)amino)-2-oxo-6,9,12-trioxo-3-azatetradecyl)piperidine-4-carboxamide
	Entries in chemical databases	
	Availability	
<i>In vitro</i> profiling	Target (potency)	CDK9 (full degradation at 250 nM in MOLT4 cells after 2h)
	Target (potency)	CDK10 (full degradation at 250 nM in MOLT4 cells after 6h)
	Selectivity	
	Potential reactivity	
	SAR	
	Mechanism of inhibition	Protein degradation by recruiting Cereblon
Structure of target-probe complex		
Cellular profiling	Validation of cellular target	CDK9 (full degradation at 250 nM in MOLT4 cells after 2h)
	Validation of cellular specificity	Proteomics profiling by 2 h treatment of MOLT4 cells with 250 nM THAL-SNS-032 shows CDK9 degradation only.
Pharmacodynamics		
Pharmacokinetics		

Synthetic scheme

