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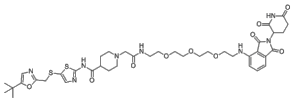
Datasheet (Version 1.0)

Product Name : THAL-SNS-032

Synonyms : THAL SNS 032;CDK9 PROTAC degrader

Cat No. : M13415

CAS Number : 2139287-33-3



Molecular Formula : C40H52N8O10S2

Formula Weight : 869.02

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-dioxoisoindolin-4-yl)amino)-2-oxo-6,9,12-trioxa-3-azatetradecyl)piperidine-4-carboxamide

Description : THAL-SNS-032 is a novel CDK9 degrader PROTAC consisting of a CDK-binding SNS-032 ligand linked to a thalidomide derivative that binds the E3 ubiquitin ligase Cereblon (CRBN); efficiently induces complete CDK9 degradation at 250 nM (6h treatment), inhibits proliferation of MOLT4 cells at lower concentrations (IC50 = 50 nM) than SNS-032 (IC50=173 nM), exhibits more potent inhibition of proliferation than SNS-032 across a panel of 11 different leukemia cancer cell lines; induces rapid degradation of CDK9 without affecting the levels of other SNS-032 targets, and has prolonged cytotoxic effects.

Pathway : PROTACs

Target : PROTAC

Receptor : PROTAC

Solubility : ——

SMILES : O=C(C1CCN(CC(NCCOCCOCCOCCNC2=CC=CC(C(N3C(CC4)C(NC4=O)=O)=O)=C2C3=O)=O)CC1)NC5=NC=C(SCC6=NC=C(C(C)(C)C)O6)S5

Storage : (-20℃)

Stability : ≥ 2 years

Reference :

1. Olson CM, et al. Nat Chem Biol. 2017 Dec 18. doi: 10.1038/nchembio.2538.