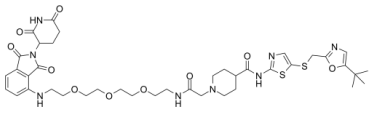
Data Sheet

Product Name:	THAL-SNS-032
Cat. No.:	CS-0087538
CAS No.:	2139287-33-3
Molecular Formula:	C40H52N8O10S2
Molecular Weight:	869.02
Target:	CDK; PROTAC
Pathway:	Cell Cycle/DNA Damage; PROTAC
Solubility:	DMSO : 100 mg/mL (115.07 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

THAL-SNS-032 is a selective **CDK9** degrader PROTAC consisting of a CDK-binding SNS-032 ligand linked to a thalidomide derivative that binds the E3 ubiquitin ligase Cereblon (CRBN)[1]. IC50 & Target: CDK9[1] **In Vitro:** THAL-SNS-032 selectively induces degradation of CDK9[1].

THAL-SNS-032 diminishes elongating polymerase II[1].

THAL-SNS-032 inhibits proliferation of MOLT4 cells with an IC_{50} of 50 nM[1].

References:

[1]. Olson CM，et al. Pharmacological perturbation of CDK9 using selective CDK9 inhibition or degradation. Nat Chem Biol. 2018 Feb;14(2):163-170.

CAIndexNames:

1-Piperidineacetamide, 4-[[[5-[[[5-(1,1-dimethylethyl)-2-oxazolyl]methyl]thio]-2-thiazolyl]amino]carbonyl]-N-[2-[2-[2-[2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isoindol-4-yl]amino]ethoxy]ethoxy]ethoxy]ethyl]-

SMILES:

O=C(NCCOCCOCCOCCNC1=CC=CC(C(N2C(CC3)C(NC3=O)=O)=O)=C1C2=O)CN4CCC(C(NC5=NC=C(SCC6=NC=C(C(C)(C)C)O6)S5)=O)CC4

Caution: Product has not been fully validated for medical applications. For research use only.

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