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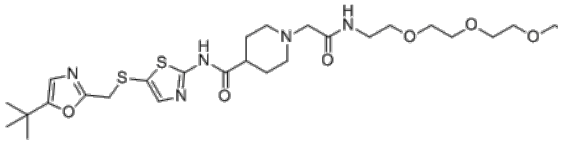
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	THAL-SNS-032
Cat. No.	:	PC-60330
CAS No.	:	2139287-33-3
Molecular Formula	:	$C_{40}H_{52}N_8O_{10}S_2$
Molecular Weight	:	869.022
Target	:	PROTAC
Solubility	:	10 mM in DMSO



Biological Activity

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).
THAL-SNS-032 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).
THAL-SNS-032 exhibits more potent inhibition of proliferation than SNS-032 across a panel of 11 different leukemia cancer cell lines.
THAL-SNS-032 induces rapid degradation of CDK9 without affecting the levels of other SNS-032 targets, and has prolonged cytotoxic effects.

References

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

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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