

Product Information

CDK inhibitor THAL-SNS-032, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ799

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 2139287-33-3

Compound CID: 131801483

Synonym: 2139287-33-3; THAL-SNS-032; *N*-(5-(((5-(*tert*-butyl)oxazol-2-yl)methyl)thi

o)th

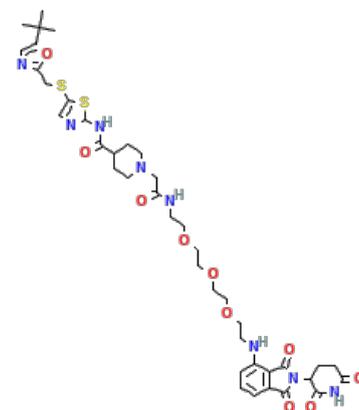
iazol-2-

yl)-1-(14-((2-(2,

6-dioxopiperidin-3-yl)-1,3-diox

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

CDK inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	THAL-SNS-032, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes.
Molecular Weight	869.02
Molecular Formula	C ₄₀ H ₅₂ N ₈ O ₁₀ S ₂
IUPAC Name	<i>N</i> -[5-[(5- <i>tert</i> -butyl-1,3-oxazol-2-yl)methylsulfanyl]-1,3-thiazol-2-yl]-1-[2-[2-[2-[2-[2-[(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindol-4-yl]amino]ethoxy]ethoxy]ethoxy]ethylamino]-2-oxoethyl]piperidine-4-carboxamide
InChI	InChI=1S/C40H52N8O10S2/c1-40(2,3)29-21-43-32(58-29)24-59-33-22-44-39(60-33)46-35(51)25-9-13-47(14-10-25)23-31(50)42-12-16-56-18-20-57-19-17-55-15-11-41-27-6-4-5-26-34(27)38(54)48(37(26)53)28-7-8-30(49)45-36(28)52/h4-6,21-22,25,28,41H,7-20,23-24H2,1-3H3,(H,42,50)(H,44,46,51)(H,45,49,52)
InChI Key	BXDZOYLPNAIDOC-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)C1=CN=C(O1)CSC2=CN=C(S2)NC(=O)C3CCN(CC3)CC(=O)NCCOCCOCCOCCNC4=C(C=CC5=C4C(=O)N(C5=O)C6CCC(=O)NC6=O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 89 mg/mL (102.41 mM); Water: Insoluble; Ethanol: 27 mg/mL



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	THAL-SNS-032 can be used in studies aiming to degrade CDK9 via the ubiquitin-proteasome pathway to impact transcription.
Storage	Store at -20°C.
