



Product Information

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

Cat. No.: X24-05-ZQ726

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

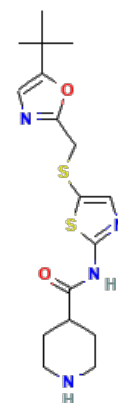
CAS Number: 345627-80-7

Compound CID: 3025986

Synonym: 345627-80-7; SNS032; BMS-387032; BMS387032; BMS-387032; CDK

inhibitor

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



Product Information

Description	SNS-032, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2/CyclinA, CDK2/CyclinE, CDK1/CyclinB, and CDK4/CyclinD.
Molecular Weight	380.5
Molecular Formula	C ₁₇ H ₂₄ N ₄ O ₂ S ₂
Targets	CDK2/CyclinA: 38 nM; CDK2/CyclinE: 48 nM; CDK1/CyclinB: 480 nM; CDK4/CyclinD: 925 nM
IUPAC Name	<i>N</i> -[5-[(5- <i>tert</i> -butyl-1,3-oxazol-2-yl)methylsulfanyl]-1,3-thiazol-2-yl]piperidine-4-carboxamide
InChI	InChI=1S/C17H24N4O2S2/c1-17(2,3)12-8-19-13(23-12)10-24-14-9-20-16(25-14)21-15(22)11-4-6-18-7-5-11/h8-9,11,18H,4-7,10H2,1-3H3,(H,20,21,22)
InChI Key	OUSFTKFNBAZUKL-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)C1=CN=C(O1)CSC2=CN=C(S2)NC(=O)C3CCNCCC3
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 74 mg/mL (194.46 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SNS-032 is used to explore its inhibitory activity against CDK2, CDK7, and CDK9, and its implications for cancer treatment.
Storage	Store at -20°C.



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