



Product Information

CDK inhibitor Ro 3306, Purity ≥98%

Cat. No.: X24-05-ZQ768

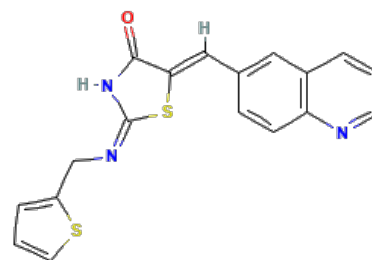
Size: 10 mg; 25 mg; 50 mg

CAS Number: 872573-93-8

Compound CID: 135400873

Synonym: 872573-93-8; Ro3306; Ro-3306; CDK inhibitor

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



Product Information

Description	Ro 3306, soluble in warmed DMSO and insoluble in water and ethanol, is an CDK kinase inhibitor that disrupts cell division processes. It targets PKCδ, SGK, Akt, and CDK1.
Molecular Weight	351.45
Molecular Formula	C ₁₈ H ₁₃ N ₃ OS ₂
Targets	PKCδ: 318 nM (Ki); SGK: 497 nM (Ki); Akt: >2000 nM (Ki); CDK1: 20 nM (Ki)
IUPAC Name	(5Z)-5-(quinolin-6-ylmethylidene)-2-(thiophen-2-ylmethylimino)-1,3-thiazolidin-4-one
InChI	InChI=1S/C18H13N3OS2/c22-17-16(24-18(21-17)20-11-14-4-2-8-23-14)10-12-5-6-15-13(9-12)3-1-7-19-15/h1-10H,11H2,(H,20,21,22)/b16-10-
InChI Key	XOLMRFUGOINFDQ-YBEGLDIGSA-N
Canonical SMILES	C1=CC2=C(C=CC(=C2)C=C3C(=O)NC(=NCC4=CC=CS4)S3)N=C1
Isomeric SMILES	C1=CC2=C(C=CC(=C2)/C=C\3/C(=O)NC(=NCC4=CC=CS4)S3)N=C1
Form	Lyophilized powder
Purity	≥98%
Solubility	Warmed DMSO: 12 mg/mL (34.14 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	Ro 3306 can be used to explore the inhibition of CDK1 and its implications for cell cycle arrest.
Storage	Store at -20°C.