



Product Information

CDK inhibitor Poloxin, Purity ≥98%

Cat. No.: X24-05-ZQ699

Size: 10 mg; 25 mg; 50 mg; 100mg

CAS Number: 321688-88-4

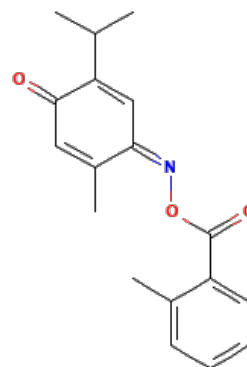
Compound CID: 9613592

Synonym: 321688-88-4; Poloxin; ChEMBL3944542;

[(Z)-(2-methyl-4-oxo-5-propan-2-ylcyclohexa-2,5-dien-1-ylidene)amino]

2-methylbenzoate; CDK inhibitor

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



Product Information

Description	Poloxin is an CDK kinase inhibitor that disrupts cell division processes. It targets PLK1 PBD, PLK2 PBD, and PLK3 PBD.
Molecular Weight	297.35
Molecular Formula	C ₁₈ H ₁₉ NO ₃
Targets	PLK1 PBD: 4.8 μM; PLK2 PBD: 18.7 μM; PLK3 PBD: 53.9 μM
IUPAC Name	[(Z)-(2-methyl-4-oxo-5-propan-2-ylcyclohexa-2,5-dien-1-ylidene)amino] 2-methylbenzoate
InChI	InChI=1S/C18H19NO3/c1-11(2)15-10-16(13(4)9-17(15)20)19-22-18(21)14-8-6-5-7-12(14)3/h5-11H, 1-4H3/b19-16-
InChI Key	CMOJHDQJJPIVEC-MNDPQUGUSA-N
Canonical SMILES	CC1=CC=CC=C1C(=O)ON=C2C=C(C(=O)C=C2C)C(C)C
Isomeric SMILES	CC1=CC=CC=C1C(=O)O/N=C\2/C=C(C(=O)C=C2C)C(C)C
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Poloxin can be used to investigate the inhibition of Polo-like kinase 1 (Plk1) and its effects on mitotic progression and cancer therapy.
Storage	Store at -20°C.