CD BioGlyco
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Product Information

CDK inhibitor Alsterpaullone, Purity ≥98%

Cat. No.: X24-05-ZQ813

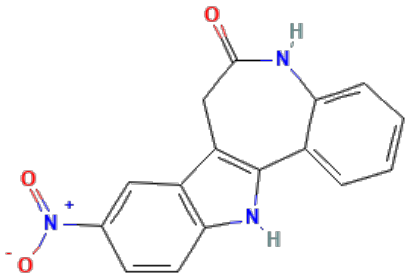
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 237430-03-4

Compound CID: 5005498

Synonym: 237430-03-4; 9-Nitropaullone; NSC 705701; NSC705701; NSC-705701; CDK inhibitor

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



Product Information

Description	Alsterpaullone is an CDK kinase inhibitor that disrupts cell division processes. It targets Cdk1/cyclin B, CDK2/Cyc E, cdk2/cyclin A, and CDK5/p35.
Molecular Weight	293.28
Molecular Formula	$C_{16}H_{11}N_3O_3$
Targets	Cdk1/cyclin B: 35 nM; CDK2/Cyc E: 200 nM; cdk2/cyclin A: 15 nM; CDK5/p35: 40 nM
IUPAC Name	9-Nitro-7,12-dihydro-5*H*-indolo[3,2-d][1]benzazepin-6-one
InChI	InChI=1S/C16H11N3O3/c20-15-8-12-11-7-9(19(21)22)5-6-14(11)18-16(12)10-3-1-2-4-13(10)17-15/h1-7,18H,8H2,(H,17,20)
InChI Key	OLUKILHGKRVDCT-UHFFFAOYSA-N
Canonical SMILES	C1C2=C(C3=CC=CC=C3NC1=O)NC4=C2C=C(C=C4)[N+](=O)[O-]
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	Alsterpaullone can be used to explore its broad kinase inhibition, including CDKs, and its effects on cell cycle and apoptosis.
Storage	Store at -20ºC.

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