



Product Information

CDK inhibitor BMS-265246, Purity ≥98%

Cat. No.: X24-05-ZQ731

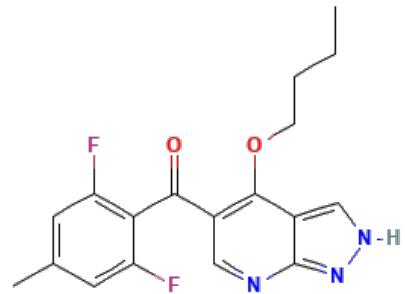
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 582315-72-8

Compound CID: 135402864

Synonym: 582315-72-8; BMS265246; CDK inhibitor

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



Product Information

Description	BMS-265246, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1/CyclinB, CDK2/CyclinE, and CDK4/CyclinD.
Molecular Weight	345.3
Molecular Formula	C ₁₈ H ₁₇ F ₂ N ₃ O ₂
Targets	CDK1/CyclinB: 6 nM; CDK2/CyclinE: 9 nM; CDK4/CyclinD: 230 nM
IUPAC Name	(4-Butoxy-2H-pyrazolo[3,4-b]pyridin-5-yl)-(2,6-difluoro-4-methylphenyl)methanone
InChI	InChI=1S/C18H17F2N3O2/c1-3-4-5-25-17-11(8-21-18-12(17)9-22-23-18)16(24)15-13(19)6-10(2)7-14(15)20/h6-9H,3-5H2,1-2H3,(H,21,22,23)
InChI Key	SCFMWQIQBVZOQR-UHFFFAOYSA-N
Canonical SMILES	CCCCOC1=C(C=NC2=NNC=C12)C(=O)C3=C(C=C(C=C3F)C)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 18 mg/mL (52.12 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	BMS-265246 is used to explore its inhibitory activity against CDK1 and CDK2, and its potential applications in cancer research.
Storage	Store at -20°C.