



## Product Information

### CDK inhibitor BMS-265246, Purity ≥98%

**Cat. No.:** X24-05-ZQ731

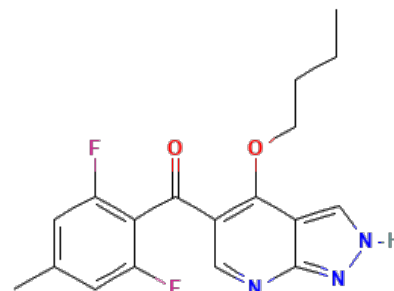
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**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

<b>Description</b>	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.
<b>Molecular Weight</b>	345.3
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>17</sub> F <sub>2</sub> N <sub>3</sub> O <sub>2</sub>
<b>Targets</b>	CDK1/CyclinB: 6 nM; CDK2/CyclinE: 9 nM; CDK4/CyclinD: 230 nM
<b>IUPAC Name</b>	(4-Butoxy-2H-pyrazolo[3,4-b]pyridin-5-yl)-(2,6-difluoro-4-methylphenyl)methanone
<b>InChI</b>	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)
<b>InChI Key</b>	SCFMWQIQBVZOQR-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CCCCOC1=C(C=NC2=NNC=C12)C(=O)C3=C(C=C(C=C3F)C)F
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 18 mg/mL (52.12 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	BMS-265246 is used to explore its inhibitory activity against CDK1 and CDK2, and its potential applications in cancer research.
<b>Storage</b>	Store at -20°C.