



## Product Information

### CDK inhibitor AG-024322, Purity ≥98%

**Cat. No.:** X24-05-ZQ773

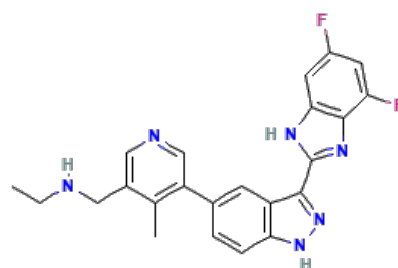
**Size:** 10 mg; 25 mg; 50 mg

**CAS Number:** 837364-57-5

**Compound CID:** 135413565

**Synonym:** 837364-57-5; AG024322; AG-024322; CDK inhibitor

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



#### Product Information

<b>Description</b>	AG-024322 is an CDK kinase inhibitor that disrupts cell division processes. It targets COX-1, COX-2, COX-4.
<b>Molecular Weight</b>	418.44
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>20</sub> F <sub>2</sub> N <sub>6</sub>
<b>Targets</b>	COX-1: 2.3 nM (Ki); COX-2: 3 nM (Ki); COX-4: 2.9 nM (Ki)
<b>IUPAC Name</b>	<i>N</i> -[[5-[3-(4,6-difluoro-1 <i>H</i> -benzimidazol-2-yl)-1 <i>H</i> -indazol-5-yl]-4-methylpyridin-3-yl]methyl]ethanamine
<b>InChI</b>	InChI=1S/C23H20F2N6/c1-3-26-9-14-10-27-11-17(12(14)2)13-4-5-19-16(6-13)21(31-30-19)23-28-20-8-15(24)7-18(25)22(20)29-23/h4-8,10-11,26H,3,9H2,1-2H3,(H,28,29)(H,30,31)
<b>InChI Key</b>	MEKASOQEXYKAKM-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CCNCC1=CN=CC(=C1C)C2=CC3=C(C=C2)NN=C3C4=NC5=C(N4)C=C(C=C5F)F
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<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>	AG-024322 can be used to study the inhibition of CDKs and its effects on cell proliferation and apoptosis.
<b>Storage</b>	Store at -20°C.