

## Product Information

### CDK inhibitor CDK12-IN-3, Purity ≥98%

**Cat. No.:** X24-05-ZQ806

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

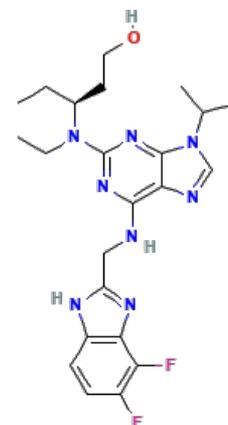
**CAS Number:** 2220184-50-7

**Compound CID:** 134691746

**Synonym:** 2220184-50-7; CDK12-IN-3; ChEMBL5188909; CMPD 7;

SCHEMBL23562130; CDK inhibitor

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



#### Product Information

<b>Description</b>	CDK12-IN-3 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK12.
<b>Molecular Weight</b>	470.52
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>28</sub> F <sub>2</sub> N <sub>8</sub> O
<b>Targets</b>	CDK12: 491 nM
<b>IUPAC Name</b>	2-[(2S)-1-[6-[(4,5-difluoro-1H-benzimidazol-2-yl)methylamino]-9-propan-2-yl]purin-2-yl]piperidin-2-yl]ethanol
<b>InChI</b>	InChI=1S/C23H28F2N8O/c1-13(2)33-12-27-20-21(26-11-17-28-16-7-6-15(24)18(25)19(16)29-17)30-23(31-22(20)33)32-9-4-3-5-14(32)8-10-34/h6-7,12-14,34H,3-5,8-11H2,1-2H3,(H,28,29)(H,26,30,31)/t14-m/s1
<b>InChI Key</b>	KULPPFCRBINTBS-AWEZLNQCLSA-N
<b>Canonical SMILES</b>	CC(C)N1C=NC2=C(N=C(N=C21)N3CCCCC3CCO)NCC4=NC5=C(N4)C=CC(=C5F)F
<b>Isomeric SMILES</b>	CC(C)N1C=NC2=C(N=C(N=C21)N3CCCC[C@H]3CCO)NCC4=NC5=C(N4)C=CC(=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>	CDK12-IN-3 can be used to explore its selective inhibition of CDK12, impacting transcriptional regulation and DNA repair mechanisms.
<b>Storage</b>	Store at -20°C.

