



## Product Information

### CDK inhibitor, BS-181, Purity ≥98%

**Cat. No.:** X24-08-YM002

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

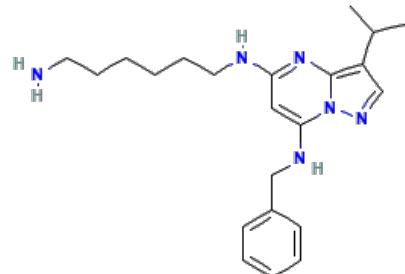
**MDL:** MFCD22056527

**CAS Number:** 1092443-52-1

**Compound CID:** 49867929

**Synonym:** 1092443-52-1; BS181;

5-N-(6-Aminohexyl)-7-N-benzyl-3-propan-2-ylpyrazolo[1,5-a]pyrimidine-5,7-diamine



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

#### Product Information

<b>Description</b>	BS-181 is an effective cell cycle inhibitor, that has the ability to prevent the pathway of cell cycle by inhibiting CDK. It targets the CDK1/cycB, CDK2/Cyc E, CDK4/Cyc D1, and CDK5/p35NCK.
<b>Molecular Weight</b>	380.53
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>32</sub> N <sub>6</sub>
<b>Targets</b>	CDK1/cycB: 8.1 μM (IC <sub>50</sub> ); CDK2/Cyc E: 0.88 μM (IC <sub>50</sub> ); CDK4/Cyc D1: 33 μM (IC <sub>50</sub> ); CDK5/p35NCK: 3 μM (IC <sub>50</sub> )
<b>IUPAC Name</b>	5-N-(6-Aminohexyl)-7-N-benzyl-3-propan-2-ylpyrazolo[1,5-a]pyrimidine-5,7-diamine
<b>InChI</b>	InChI=1S/C22H32N6/c1-17(2)19-16-26-28-21(25-15-18-10-6-5-7-11-18)14-20(27-22(19)28)24-13-9-4-3-8-12-23/h5-7,10-11,14,16-17,25H,3-4,8-9,12-13,15,23H2,1-2H3,(H,24,27)
<b>InChI Key</b>	DNYBIOICMDTDAP-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)C1=C2N=C(C=C(N2N=C1)NCC3=CC=CC=C3)NCCCCCN
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Titer</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	BS-181 is a cell cycle inhibitor that plays a key role in regulating gene expression through its interaction with acetylated lysines on histones.
<b>Storage</b>	Store at -20°C, and keep desiccated.