



Product Information

CDK inhibitor, BS-181, Purity $\geq 98\%$

Cat. No.: X24-08-YM002

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

MDL: MFCD22056527

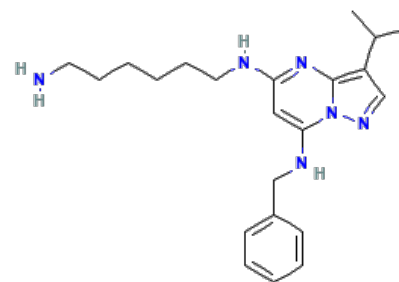
CAS Number: 1092443-52-1

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

Description	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.
Molecular Weight	380.53
Molecular Formula	C ₂₂ H ₃₂ N ₆
Targets	CDK1/cycB: 8.1 μ M (IC ₅₀); CDK2/Cyc E: 0.88 μ M (IC ₅₀); CDK4/Cyc D1: 33 μ M (IC ₅₀); CDK5/p35NCK: 3 μ M (IC ₅₀)
IUPAC Name	5- <i>N</i> -(6-Aminohexyl)-7- <i>N</i> -benzyl-3-propan-2-ylpyrazolo[1,5- <i>a</i>]pyrimidine-5,7-diamine
InChI	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)
InChI Key	DNYBIOICMDTDAP-UHFFFAOYSA-N
Canonical SMILES	CC(C)C1=C2N=C(C=C(N2N=C1)NCC3=CC=CC=C3)NCCCCCN
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	BS-181 is a cell cycle inhibitor that plays a key role in regulating gene expression through its interaction with acetylated lysines on histones.
Storage	Store at -20°C, and keep desiccated.