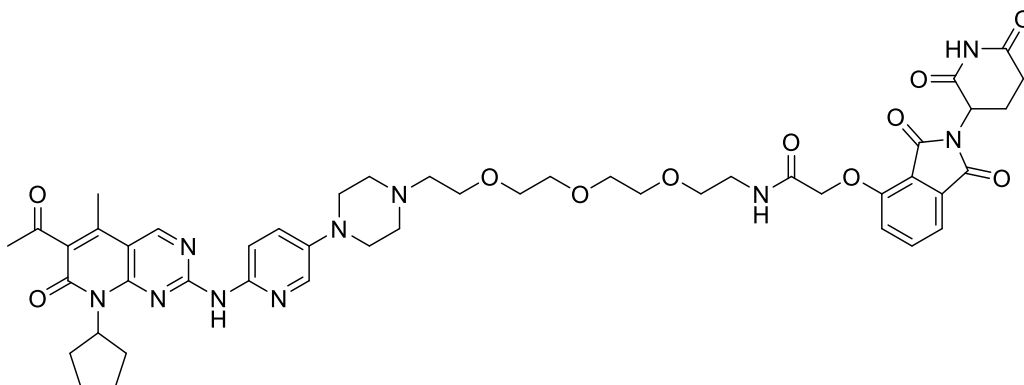


BSJ-03-123



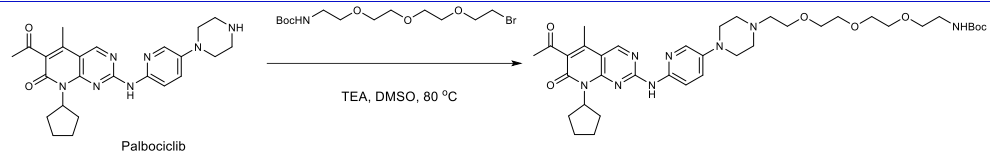
Chemical Formula: C<sub>47</sub>H<sub>56</sub>N<sub>10</sub>O<sub>11</sub>  
 Molecular Weight: 937.02

Category	Parameter	Description
Compound	Name	BSJ-03-123
	Citation	Angew. Chem. Int. Edit., 2019, 58, 6321-6326. <a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201901336">https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201901336</a> Cell Chem. Biol. 2019, 26, 300-306 <a href="https://www.sciencedirect.com/science/article/pii/S2451945618304136">https://www.sciencedirect.com/science/article/pii/S2451945618304136</a>
	Chemical descriptors	O=C1C(C(C)=O)=C(C)C(C=NC(NC(N=C2)=CC=C2N3CCN(CC3)CCOC(CO)OCCNC(COC4=C5C(C(N(C5=O)C6C(NC(CC6)=O)=O)=O)=CC=C4)=O)=N7)=C7N1C8CCCC8
	Chemical name	N-(2-(2-(2-(4-(6-((6-acetyl-8-cyclopentyl-5-methyl-7-oxo-7,8-dihydropyrido[2,3-d]pyrimidin-2-yl)amino)pyridin-3-yl)piperazin-1-yl)ethoxy)ethoxy)ethoxy)ethyl)-2-((2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl)oxy)acetamide
	Entries in chemical databases	CID: 137628658
	Availability	
<i>In vitro</i> profiling	Target (potency)	CDK4/cyclin D1: 106 nM
	Target (potency)	CDK6/cyclin D1: 37.7 nM
	Selectivity	
	Potential reactivity	
	SAR	
	Mechanism of inhibition	Protein degradation by recruiting Cereblon
Cellular profiling	Structure of target-probe complex	
	Additional comments	
	Validation of cellular target	Dose-dependent degradation of CDK6 with maximum degradation at 0.5uM in Jurkat cells.
	Validation of cellular specificity	Selective degradation of CDK6 in Molt4 cells by proteomics analysis at 5h with 250 nM treatment.
	Additional comments	
Pharmacodynamics		

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## Pharmacokinetics

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## Synthetic scheme

