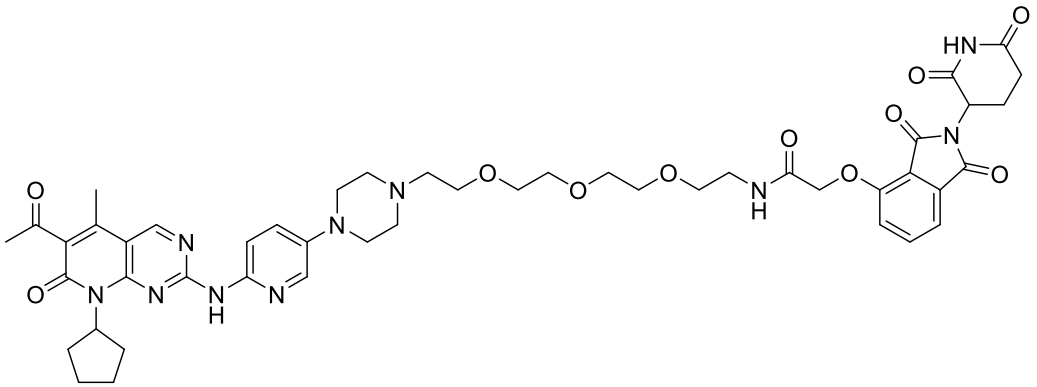
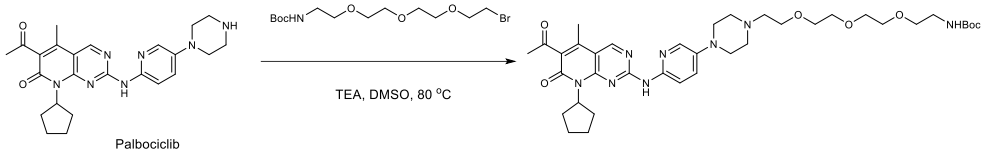
**BSJ-03-123**



Chemical Formula: $C_{47}H_{56}N_{10}O_{11}$
Molecular Weight: 937.02

| Category | Parameter | Description |
|---|---|---|
| Compound | Name | BSJ-03-123 |
| | Citation | Angew. Chem. Int. Edit., 2019, 58, 6321-6326. (https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201901336) Cell Chem. Biol. 2019, 26, 300-306 (https://www.sciencedirect.com/science/article/pii/S2451945618304136) |
| | Chemical descriptors | O=C1C(C(C)=O)=C(C)C(C=NC(NC(N=C2)=CC=C2N3CCN(CC3)CCOC COCCOCCNC(COC4=C5C(C(N(C5=O)C6C(NC(CC6)=O)=O)=O)=CC= C4)=O)=N7)=C7N1C8CCCC8 |
| | Chemical name | N-(2-(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-dioxoisoindolin-4-yl)oxy)acetamide |
| | Entries in chemical databases | CID: 137628658 |
| | Availability | |
| | Papers that use the compounds | |
| | Additional comments | |
| *In vitro* 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 |
| | Structure of target-probe complex | |
| | Additional comments | |
| Cellular profiling | 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 | | |

Pharmacokinetics




Synthetic scheme