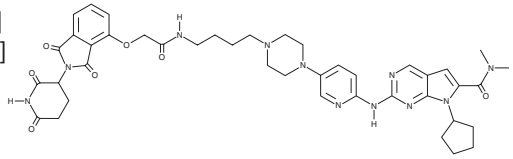
# PRODUCT INFORMATION

## BSJ-04-132

*Item No. 41248*

**CAS Registry No.:** 2349356-39-2
**Formal Name:** 7-cyclopentyl-2-[[5-[4-[4-[[2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isoindol-4-yl]oxy]acetyl]amino]butyl]-1-piperazinyl]-2-pyridinyl]amino]-N,N-dimethyl-7H-pyrrolo[2,3-d]pyrimidine-6-carboxamide
**MF:** $C_{42}H_{49}N_{11}O_7$
**FW:** 819.9
**Purity:** ≥98%
**Supplied as:** A solid
**Storage:** -20°C
**Stability:** ≥4 years



*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

### Laboratory Procedures

BSJ-04-132 is supplied as a solid. A stock solution may be made by dissolving the BSJ-04-132 in the solvent of choice, which should be purged with an inert gas. BSJ-04-132 is slightly soluble (0.1-1 mg/ml) in acetonitrile.

### Description

BSJ-04-132 is a proteolysis-targeting chimera (PROTAC) containing the cyclin-dependent kinase 4 (Cdk4) and Cdk6 inhibitor ribociclib (LEE011; Item Nos. 17666 | 36414) conjugated to (±)-thalidomide (Item No. 14610).[1] It selectively induces the degradation of Cdk4 over Cdk6, as well as Ikaros family zinc finger protein 1 (IKZF1) and IKZF3, which are targets of other imide-based degraders, in a cereblon-dependent manner in Jurkat cells when used at a concentration of 1 µM.

### Reference


1. Jiang, B., Wang, E.S., Donovan, K.A., *et al.* Development of dual and selective degraders of cyclin-dependent kinases 4 and 6. *Angew. Chem. Int. Ed. Engl.* **58(19)**, 6321-6326 (2019).





**CAYMAN CHEMICAL**
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
**PHONE:** [800] 364-9897
[734] 971-3335
**FAX:** [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM