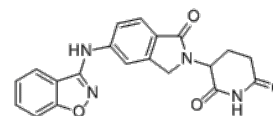


**Product Name** : SJ3149  
**Cat. No.** : PC-20920  
**CAS No.** : 3026986-17-1  
**Molecular Formula** : C<sub>20</sub>H<sub>16</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 376.37  
**Target** : PROTAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

SJ3149 (SJ-3149) is uniquely potent and selective **CK1 $\alpha$  degrader** with DC50 of 3.7 nM and Dmax 95% in MOLM-13 cells, potently inhibits the viability of MOLM-13 cells with IC50 of 13 nM.

SJ3149 shows a broad antiproliferative profile on a panel of AML and ALL cell lines with IC50 values in a single digit nanomolar range, and even sub-nanomolar activity.

SJ3149 also potently inhibited the viability of multiple cell lines derived from solid tumors, including breast, soft tissue, and tumors of the male and female reproductive system, with several cell lines being inhibited more potently than MOLM-13.

SJ3149 also inhibits several TP53-altered cell lines, such as BT-20 and KU812.

## References

Nishiguchi G, et al. *Nat Commun.* 2024 Jan 16;15(1):482

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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