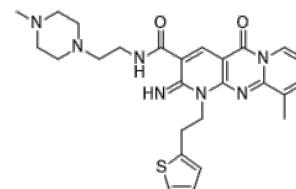


**Product Name** : SPOP-IN-1  
**Cat. No.** : PC-26774  
**CAS No.** : 2136270-56-7  
**Molecular Formula** : C<sub>26</sub>H<sub>31</sub>N<sub>7</sub>O<sub>2</sub>S  
**Molecular Weight** : 505.64  
**Target** : E3 Ubiquitin Ligase  
**Solubility** : 10 mM in DMSO



## Biological Activity

SPOP-IN-1 (SPOP inhibitor 6lc) is a selective inhibitor of Speckle-type POZ protein (SPOP) E3 ubiquitin ligase, inhibits oncogenic SPOP-signaling pathway in ccRCC.

SPOP-IN-1 (SPOP inhibitor 6lc) suppresses the viability and inhibits the colony formation of ccRCC cell lines driven by cytoplasmic SPOP.

SPOP-IN-1 (SPOP inhibitor 6lc) binds to the SPOP protein in vitro and disrupts SPOP binding to phosphatase-and-tensin homologue (PTEN) in HEK293T cells.

SPOP-IN-1 (SPOP inhibitor 6lc) elevates levels of both PTEN and dual-specificity phosphatase 7 (DUSP7), and decreases levels of phosphorylated AKT and ERK in ccRCC cells.

## References

Dong Z, et al. J Med Chem. 2020 May 14;63(9):4849-4866.

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

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