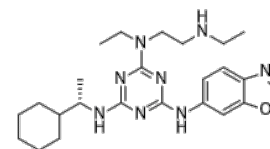


**Product Name** : LS-102  
**Cat. No.** : PC-22133  
**CAS No.** : 1456891-34-1  
**Molecular Formula** : C<sub>24</sub>H<sub>36</sub>N<sub>8</sub>O  
**Molecular Weight** : 452.61  
**Target** : E3 Ubiquitin Ligase  
**Solubility** : 10 mM in DMSO



CAS: 1456891-34-1

## Biological Activity

LS-102 is a selective small molecule inhibitor of E3 ubiquitin ligase Synoviolin (SYVN1), inhibits the autoubiquitination of synoviolin with IC<sub>50</sub> of 35 uM.

LS-102 does not inhibit the activity of other E3 ubiquitin ligases, including ARIH1, breast cancer 1 gene (BRCA1)/BRCA1-associated RING domain 1 (BARD1), and estrogen-responsive RING-finger protein (Efp).

LS-102 suppressed the proliferation of rheumatoid synovial cells with IC<sub>50</sub> of 5.4 uM.

LS-102 significantly reduced the severity of disease in a mouse model of rheumatoid arthritis (RA).

LS-102 treatment increased Drp1 levels and exacerbated the degeneration of GCs in the PCOS rat model.

## References

Fujita H, et al. Mol Med Rep. 2018 Dec;18(6):5701-5708.

Yagishita N, et al. Int J Mol Med. 2012 Dec;30(6):1281-6.

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

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