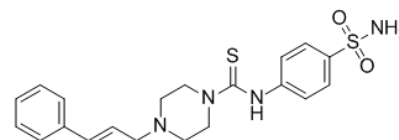


**Product Name** : LF3  
**Cat. No.** : PC-42398  
**CAS No.** : 664969-54-4  
**Molecular Formula** : C<sub>20</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 416.56016  
**Target** : Beta-catenin  
**Solubility** : DMSO: ≥ 32 mg/mL



## Biological Activity

LF3 is a small-molecule antagonist of the **β-catenin/TCF4** interaction with IC<sub>50</sub> of 1.65 and 1.82 μM in AlphaScreen and ELISA assay, respectively.

LF3 potently and selectively inhibits activated Wnt/β-catenin signals in reporter cells (IC<sub>50</sub>=2.4-4 μM), does not cause cell death and interfere with the interaction of β-catenin with E-cadherin.

LF3 reduces tumor growth and induces differentiation in a mouse xenograft model of colon cancer.

## References

Fang L, et al. *Cancer Res.* 2016 Feb 15;76(4):891-901.

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

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