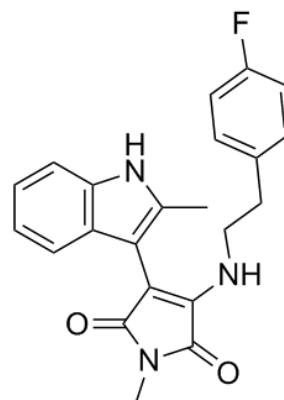


**Product Name** : IM-12  
**Cat. No.** : PC-42955  
**CAS No.** : 1129669-05-1  
**Molecular Formula** : C<sub>22</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 377.4115  
**Target** : GSK-3  
**Solubility** : DMSO: ≥ 54.9 mg/mL



## Biological Activity

IM-12 is a novel potent GSK-3 $\beta$  inhibitor with IC<sub>50</sub> of 53 nM, significantly increases the  $\beta$ -catenin level and activates canonical Wnt signalling; attenuates cell proliferation of ReNcell VM cells, induces nuclear accumulation of beta-catenin.

## References

Schmöle AC, et al. Bioorg Med Chem. 2010 Sep 15;18(18):6785-95.

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

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