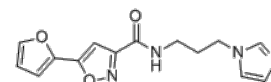


**Product Name** : SKL2001  
**Cat. No.** : PC-35350  
**CAS No.** : 909089-13-0  
**Molecular Formula** : C<sub>14</sub>H<sub>14</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 286.291  
**Target** : Beta-catenin  
**Solubility** : 10 mM in DMSO



## Biological Activity

SKL2001 is a specific small molecule activator (agonist) of the Wnt/ $\beta$ -catenin pathway, stabilizes intracellular  **$\beta$ -catenin** via disruption of the Axin/ $\beta$ -catenin interaction.

SKL2001 strongly activates  $\beta$ -catenin responsive transcription, upregulates TOPflash reporter activity without effect on the activity of FOPFlash with mutated  $\beta$ -catenin/Tcf-binding elements, as well as either NF- $\kappa$ B or p53 reporter activity.

SKL2001 upregulates the expression of Axin2, inhibits N-terminal  $\beta$ -catenin phosphorylation without affecting GSK-3 $\beta$  activity.

SKL2001 suppresses preadipocyte differentiation, the alternative mesenchymal differentiation pathway.

## References

Gwak J, et al. *Cell Res.* 2012 Jan;22(1):237-47.

DiRenzo DM, et al. *Cell Signal.* 2016 May;28(5):498-505.

Ohashi W, et al. *Biochem Biophys Res Commun.* 2017 Nov 25;493(3):1342-1348.

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

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