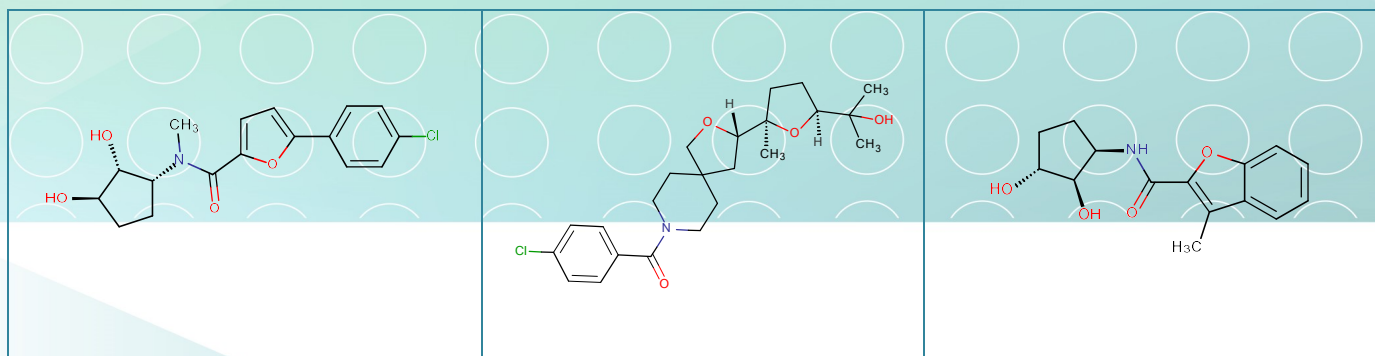


## SL-12. Wnt/ $\beta$ -catenin Pathway Activators

Re-activation of the Wnt/ $\beta$ -catenin pathway is essential for the regeneration of many tissues such as liver, brain, muscle, skin, and bone. Many publications suggest that Wnt pathway agonists or activators are desirable candidates for regeneration-enhancing therapies [1]. At ASINEX, we have screened a proprietary collection of 20K+

natural product like molecules, nucleoside mimetics, and glycomimetics in a luciferase reporter assay designed to monitor activation of the Wnt /  $\beta$ -catenin signaling pathway in C2C12 model cells. Primary hits were further optimized to generate a library of potent small molecule Wnt pathway activators with an EC<sub>50</sub> range of 0.5-30  $\mu$ M.



### Signature Library 12

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 $\mu$ mol; 1 $\mu$ mol DMSO solutions	EC <sub>50</sub> luciferase reporter assay C2C12 SL#12_Wntact_05-16.sdf

#### References:

1. *Mol Cell Ther.* 2014 Sep 11;2:28. doi: 10.1186/2052-8426-2-28..

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