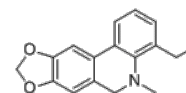


**Product Name** : HLY-78  
**Cat. No.** : PC-60196  
**CAS No.** : 854847-61-3  
**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>NO<sub>2</sub>  
**Molecular Weight** : 267.3  
**Target** : Axin  
**Solubility** : 10 mM in DMSO



## Biological Activity

HLY-78 is a small molecule activator of the **Wnt/ $\beta$ -catenin** signaling pathway that targets the DIX domain of **Axin**. HLY-78 potentiates the Axin-LRP6 association, thus promoting LRP6 phosphorylation and Wnt signaling transduction. HLY-78 acts synergistically with Wnt in the embryonic development of zebrafish and increases the expression of the conserved hematopoietic stem cell (HSC) markers, runx1 and cmyb, in zebrafish embryos.

## References

- Wang S, et al. *Nat Chem Biol*. 2013 Sep;9(9):579-85.  
Chen DZ, et al. *J Nat Prod*. 2016 Jan 22;79(1):180-8.  
Guo X, et al. *Oncol Res*. 2017 May 24;25(5):799-808.

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

E-mail: tech@probechem.com