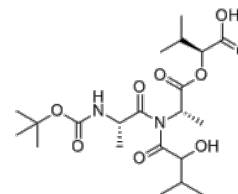


**Product Name** : NSC 668036  
**Cat. No.** : PC-61785  
**CAS No.** : 144678-63-7  
**Molecular Formula** : C<sub>21</sub>H<sub>36</sub>N<sub>2</sub>O<sub>9</sub>  
**Molecular Weight** : 460.52  
**Target** : Dishevelled  
**Solubility** : 10 mM in DMSO



## Biological Activity

NSC 668036 is a specific inhibitor of the **Dishevelled** (Dvl) PDZ domain, extremely weakly binds to PSD-95, PSD95, and PDZ7 domain of GRIP.

NSC 668036 inhibits the signaling induced by Wnt3A and blocks Wnt signaling by interrupting the Fz-Dvl interaction. NSC 668036 suppresses  $\beta$ -catenin-driven gene transcription and abolishes TGF- $\beta$ 1-induced migration, expression of collagen I and  $\alpha$ -SMA in fibroblasts.

NSC 668036 depresses fibrotic process in vivo.

## References

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Wang C, et al. *Exp Cell Res*. 2015 Feb 1;331(1):115-22.

Chen X, et al. *J Mol Model*. 2009 Jan;15(1):91-6.

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

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