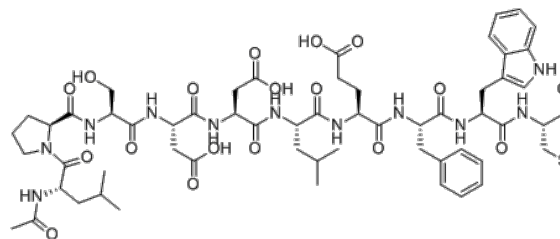


**Product Name** : Fz7-21  
**Cat. No.** : PC-63300  
**CAS No.** : 2247635-23-8  
**Molecular Formula** : C<sub>83</sub>H<sub>114</sub>N<sub>18</sub>O<sub>23</sub>S<sub>2</sub>  
**Molecular Weight** : 1796.05  
**Target** : Frizzled  
**Solubility** : 10 mM in DMSO



Acetyl-Leu-Pro-Ser-Asp-Asp-Leu-Glu-Phe-Trp-Cys-HI

## Biological Activity

Fz7-21 is a potent, selective peptide inhibitor of Frizzled 7 receptor (**FZD7**), inhibits exogenous WNT3A stimulated Wnt-β-catenin signaling in HEK293 cells with IC<sub>50</sub> of 100 nM.

Fz7-21 also blocks **WNT3A**-mediated stabilization of β-catenin in mouse L cells with IC<sub>50</sub> of 50 nM.

Fz7-21 shows isoform-selective binding to the Fc-tagged FZD1, FZD2 and FZD7 CRDs with EC<sub>50</sub> of 19-58 nM, whereas little to no binding to the FZD4, FZD5, FZD8, FZD9 or FZD10 CRDs.

Fz7-21 impairs Wnt signaling in cultured cells and stem cell function in intestinal organoids.

## References

Nile AH, et al. *Nat Chem Biol.* 2018 Apr 9. doi: 10.1038/s41589-018-0035-2.

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

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