**Fz7-21 TFA**

**Cat. No.:** HY-P1454A  
**Molecular Formula:** C₈₅H₁₁₅N₁₈F₃O₂₅S₂  
**Molecular Weight:** 1910.07  
**Sequence:** (Ac)-[(Leu)(Pro)(Ser)(Asp)(Asp)(Leu)(Glu)(Phe)(Trp)(Cys)(His)(Val)(Met)(Tyr)]=NH₂  
**Sequence Shortening:** (Ac)-LPSDDLEFWCHMY-NH₂  
**Target:** Wnt  
**Pathway:** Stem Cell/Wnt  
**Storage:** Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

**Description**  
Fz7-21 TFA ((Ac)-LPSDDLEFWCHMY-NH₂ TFA), a peptide antagonist of Frizzled 7 (FZD 7) receptors, selectively binds to FZD7 CRD subclass. The EC₅₀ values are 58 and 34 nM for human and mouse FZD7 CRD, respectively. Fz7-21 impairs Wnt/β-catenin signaling in HEK293 cells stimulated with exogenous WNT3A (IC₅₀=100 nM) or transfected with a construct expressing WNT3A or WNT1. Fz7-21 also blocks WNT3A-mediated stabilization of β-catenin in mouse L cells (IC₅₀=50 nM).[1]

**IC₅₀ & Target**  
EC50: 58 nM (human FZD7 CRD), 34 nM (mouse FZD7 CRD)[1]

### REFERENCES