

## FZD7 antagonist 1

<b>Cat. No.:</b>	HY-P10204
<b>CAS No.:</b>	2416664-25-8
<b>Molecular Formula:</b>	C <sub>142</sub> H <sub>202</sub> N <sub>32</sub> O <sub>42</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	3157.57
<b>Sequence:</b>	Chain 1: Ac-Thr-Asp-Asp-Leu-Glu-Leu-Trp-Cys-His-Ile-Met-Tyr-NH <sub>2</sub> ; Chain 2: Ac-Thr-Asp-Asp-Leu-Glu-Leu-Trp-Cys-His-Ile-Met-Tyr-NH <sub>2</sub> (Disulfide bridge: Chain 1: Cys8-Chain 2: Cys8)
<b>Sequence Shortening:</b>	Chain 1: Ac-TDDLELWCHIMY-NH <sub>2</sub> ; Chain 2: Ac-TDDLELWCHIMY-NH <sub>2</sub> (Disulfide bridge: Chain 1: Cys8-Chain 2: Cys8)
<b>Target:</b>	Wnt
<b>Pathway:</b>	Stem Cell/Wnt
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

FZD7 antagonist 1 (peptide 34) is a dFz7-21 analogue. FZD7 antagonist 1 is an FZD7 antagonist that inhibits the wnt3a with IC<sub>50</sub> value of 9.2 nM. FZD7 antagonist 1 blocks TcdB-FZD interaction via targeting FZD receptors<sup>[1]</sup>.

### REFERENCES

[1]. Simon Hansen, et al. Lead Optimization Yields High Affinity Frizzled 7-Targeting Peptides That Modulate Clostridium difficile Toxin B Pathogenicity in Epithelial Cells. J Med Chem. 2019, 62, 17.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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