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DATASHEET

Fz7-21

Product overview

 Name
 Fz7-21

 Cat No
 HB8797

Biological description Selective FZD7 (Frizzled 7 receptor) antagonist which binds to the FZD7 extracellular cysteine rich

domain (CRD) to alter its conformation and lipid-binding groove architecture. Inhibits Wnt– β -catenin signaling in HEK293 cells stimulated with exogenous WNT3A (IC $_{50}$ = 100 nM) and blocks WNT3A-mediated β -catenin stabilization in mouse L cells (IC $_{50}$ = 50 nM). Impairs Wnt signaling in cultured cells

and disrupts stem cell function in intestinal organoids.

Biological action Antagonist >95%

Description Selective FZD7 (Frizzled 7 receptor) antagonist

Solubility & Handling

Storage instructions -20°C

Solubility overview Soluble in DMSO

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use

Chemical Data

Sequence (one letter) Ac-LPSDDLEFWCHVMY-NH2

Sequence (three letter) Ac-Leu-Pro-Ser-Asp-Asp-Leu-Glu-Phe-Trp-Cys-His-Val- Met-Tyr-NH2

CAS Number 2247635-23-8 **PubChem identifier** 155977635

InChiKey IAZGQQUTTRFISH-AXEDDYHBSA-N

References

A selective peptide inhibitor of Frizzled 7 receptors disrupts intestinal stem cells

Nile AH *et al* (2018) Nat Chem Biol 14(6) **PubMedID**29632413