

Product Name	: FzM1.8
Synonyms	: FzM 1.8; Fzd4 agonist FzM1.8
Cat No.	: M13514
CAS Number	: 2204290-85-5
Molecular Formula	: C ₁₈ H ₁₄ N ₂ O ₄
Formula Weight	: 322.32
Chemical Name	: 3-Hydroxy-5-(3-(naphthalen-2-yl)ureido)benzoic acid
Description	FzM1.8 is a small molecule, allosteric agonist of the Frizzled receptor Fzd4 with pEC ₅₀ of 6.4, potentiates β-catenin pathway in the absence of any WNT ligand; biases FZD4 signaling toward a FZD4/PI3K axis that culminates into transactivation of β-catenin/TCF activity by the histone acetyltransferase CBP/p300; preserves stemness and promotes proliferation of undifferentiated cells.
Pathway	: Wnt/Notch/Hedgehog
Target	: Frizzled
Receptor	: Frizzled
Solubility	: —
SMILES	: <chem>O=C(O)C1=CC(NC(NC2=CC=CC3=CC=CC3=C2)=O)=CC(O)=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Riccio G, et al. Biochemistry. 2018 Jan 2. doi: 10.1021/acs.biochem.7b01087.

