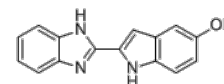


Product Name : SY-LB-35
Cat. No. : PC-49109
CAS No. : 2603461-70-5
Molecular Formula : C₁₅H₁₁N₃O
Molecular Weight : 249.273
Target : TGF beta Receptor (TGFBR)
Solubility : 10 mM in DMSO



Biological Activity

SY-LB-35 is a highly effective small molecule full agonist of **bone morphogenetic protein (BMP) receptor** signaling, significantly increases the cell number and cell viability in the C2C12 myoblast cell line.

SY-LB-35 (0.01-10 uM) stimulated canonical Smad and non-canonical PI3K/Akt, ERK, p38 and JNK intracellular signaling pathways, similar to BMP2-stimulated responses.

SY-LB-35 strongly stimulate Smad phosphorylation and nuclear translocation, induce robust increases in PI3K/Akt signaling.

SY-LB-35 is a full agonists of BMP receptor signaling.

References

Sheyda Najafi, et al. *Sci Rep.* 2022 Jul 15;12(1):12146.

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

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