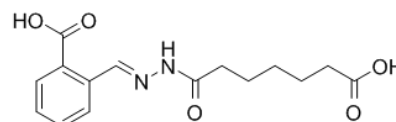


Product Name : IDE1
Cat. No. : PC-42193
CAS No. : 1160927-48-9
Molecular Formula : C₁₅H₁₈N₂O₅
Molecular Weight : 306.3138
Target : TGFβ-Smad
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

IDE1 (Inducer of definitive endoderm 1) small molecule that can induce definitive endoderm from embryonic stem cells, induces the differentiation of Sox17+/FoxA2+-expressing pancreatic progenitors from human and mouse ESCs in vitro with EC50 of 125.5 nM.

IDE1 induces phosphorylation of Smad2 and activate **TGF-β** signaling.

References

Borowiak M, et al. *Cell Stem Cell*. 2009 Apr 3;4(4):348-58.

Hoveizi E, et al. *J Biomed Mater Res A*. 2014 Nov;102(11):4027-36.

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

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