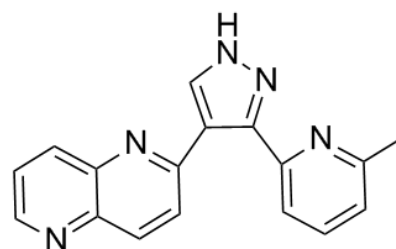


Product Name : RepSox
Cat. No. : PC-43322
CAS No. : 446859-33-2
Molecular Formula : C₁₇H₁₃N₅
Molecular Weight : 287.3186
Target : TGF beta Receptor (TGFBR)
Solubility : DMSO: ≥ 52 mg/mL



Biological Activity

RepSox (E-616452, SJN-2511) is a potent, selective inhibitor of TGF- β type I receptor ALK5 with K_i of 25 nM, inhibits ALK5 autophosphorylation with IC₅₀ of 4 nM, can replace the central reprogramming factor Sox2 by inducing nanog; specifically acts by inhibiting Tgf- β signaling, does not act by inducing Sox2 expression in the target fibroblasts; efficiently replaces transgenic Sox2 in the absence of VPA and c-Myc, as well as in both embryonic and adult fibroblasts; demonstrates effectivity at generating iPSCs.

References

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Gellibert F, et al. J Med Chem. 2004 Aug 26;47(18):4494-506.

Wu MZ, et al. Cell Res. 2014 Jun;24(6):641-2.

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

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