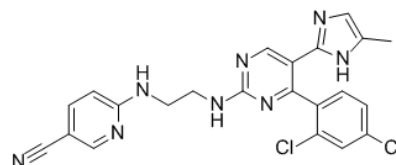


Product Name : CHIR-99021
Cat. No. : PC-42428
CAS No. : 252917-06-9
Molecular Formula : C₂₂H₁₈Cl₂N₈
Molecular Weight : 465.3379
Target : GSK-3
Solubility : DMSO: ≥ 5.1 mg/mL



Biological Activity

Laduviglusib (CHIR-99021, CT99021) is a potent, specific **GSK-3** inhibitor with IC₅₀ of 5 nM and 10 nM for GSK3β and GSK3α, respectively.

Laduviglusib (CHIR-99021, CT99021) mimics Wnt signaling in preadipocytes, stabilizes free cytosolic beta-catenin and inhibits adipogenesis by blocking induction of C/EBPα and PPARγ.

Laduviglusib (CHIR-99021, CT99021) potentiates insulin activation of glucose transport and utilization in vitro and in vivo.

Laduviglusib (CHIR-99021, CT99021) is also widely used for stem cell differentiation and naive stem cell generation.

References

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Li W, et al. *Stem Cells*. 2009 Dec;27(12):2992-3000.

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

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