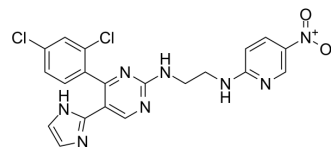


CHIR-98023

Cat. No.:	HY-126125
CAS No.:	252916-76-0
Molecular Formula:	C ₂₀ H ₁₆ Cl ₂ N ₈ O ₂
Molecular Weight:	471.3
Target:	GSK-3
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CHIR-98023 is a potent, selective and reversible inhibitor of GSK3, with IC ₅₀ s of 10 nM and 6.7 nM for GSK3 α and GSK3 β , respectively. CHIR-98023 can improve insulin action and glucose metabolism ^{[1][2]} .	
IC ₅₀ & Target	GSK3 α 10 nM (IC ₅₀)	GSK3 β 6.7 nM (IC ₅₀)

REFERENCES

[1]. Cline GW, et, al. Effects of a novel glycogen synthase kinase-3 inhibitor on insulin-stimulated glucose metabolism in Zucker diabetic fatty (fa/fa) rats. Diabetes. 2002 Oct;51(10):2903-10.

[2]. Hu M, et, al. Role of GSK-3 β activation and α 7 nAChRs in A β (1-42)-induced tau phosphorylation in PC12 cells. J Neurochem. 2008 Aug;106(3):1371-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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