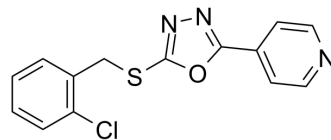


GSK3-IN-1

Cat. No.:	HY-Q48328		
CAS No.:	478482-74-5		
Molecular Formula:	C ₁₄ H ₁₀ ClN ₃ OS		
Molecular Weight:	303.77		
Target:	GSK-3		
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (329.20 mM; ultrasonic and warming and heat to 52°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2920 mL	16.4598 mL	32.9196 mL
	5 mM	0.6584 mL	3.2920 mL	6.5839 mL
	10 mM	0.3292 mL	1.6460 mL	3.2920 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	GSK3-IN-1 (compound 11) is a GSK-3 inhibitor with an IC ₅₀ value of 12 μM. GSK3-IN-1 can be used in the research of diabetes [1].
IC₅₀ & Target	GSK-3 ^[1]

REFERENCES

[1]. Lars Naerum, et al. Scaffold hopping and optimization towards libraries of glycogen synthase kinase-3 inhibitors. Bioorg Med Chem Lett. 2002 Jun 3;12(11):1525-8.

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

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