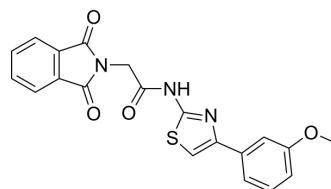


GSK-3β inhibitor 11

Cat. No.:	HY-148132		
CAS No.:	536731-65-4		
Molecular Formula:	C ₂₀ H ₁₅ N ₃ O ₄ S		
Molecular Weight:	393.42		
Target:	GSK-3		
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20.83 mg/mL (52.95 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5418 mL	12.7091 mL	25.4181 mL
5 mM	0.5084 mL	2.5418 mL	5.0836 mL
10 mM	0.2542 mL	1.2709 mL	2.5418 mL

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

BIOLOGICAL ACTIVITY

Description

GSK-3β inhibitor 11 (compound 21) is a glycogen synthase kinase-3β (GSK-3β) inhibitor (IC₅₀=10.02 μM). GSK-3β inhibitor 11 can be used in neurodegenerative disease research^[1].

IC₅₀ & Target

GSK-3β
10.02 μM (IC₅₀)

REFERENCES

[1]. Fu G, et al. Pharmacophore Modeling, Ensemble Docking, Virtual Screening, and Biological Evaluation on Glycogen Synthase Kinase-3β. Mol Inform. 2014 Sep;33(9):610-26.

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

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