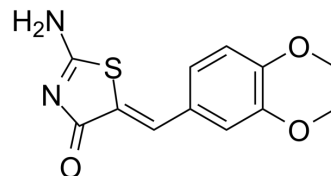


GSK-3β inhibitor 10

Cat. No.:	HY-147134		
CAS No.:	1198098-03-1		
Molecular Formula:	C ₁₂ H ₁₂ N ₂ O ₃ S		
Molecular Weight:	264.3		
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 : 25 mg/mL (94.59 mM; ultrasonic and warming and heat to 80°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7836 mL	18.9179 mL	37.8358 mL
	5 mM	0.7567 mL	3.7836 mL	7.5672 mL
	10 mM	0.3784 mL	1.8918 mL	3.7836 mL

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

BIOLOGICAL ACTIVITY

Description

GSK-3β inhibitor 10 (compound 14a) is a highly potent GSK-3β inhibitor with an IC₅₀ value of 80.5 nM. GSK-3β inhibitor 10 can be used for researching Alzheimer's disease^[1].

IC₅₀ & Target

GSK-3β
80.5 nM (IC₅₀)

REFERENCES

[1]. Arfeen M, et al. Design, synthesis and biological evaluation of 5-benzylidene-2-iminothiazolidin-4-ones as selective GSK-3β inhibitors. Eur J Med Chem. 2016 Oct 4;121:727-736.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA