



GSK-3β inhibitor 12

Cat. No.:	OB0225WX-2169
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	GSK-3β inhibitor 12 is a selective antagonist of GSK-3 beta that yields a 49.11% inhibition rate at a concentration of 25 μM.
Synonym	784170-07-6; 2-(1H-indol-3-yl)-N-(5-methyl-1,3-thiazol-2-yl)acetamide; GS K-3beta inhibitor 12; 2-(1H-Indol-3-yl)-N-(5-methylthiazol-2-yl)acetamide
CAS No.	784170-07-6
Compound CID	2114820
Formula	C ₁₄ H ₁₃ N ₃ OS
Formula Weight	271.34

Specification

IUPAC Name	2-(1 <i>H</i> -Indol-3-yl)-N-(5-methyl-1,3-thiazol-2-yl)acetamide
InChI	InChI=1S/C14H13N3OS/c1-9-7-16-14(19-9)17-13(18)6-10-8-15-12-5-3-2-4-11(10)12/h2-5,7-8,15H,6H2,1H3,(H,16,17,18)
InChI Key	OPCSLLCSWLGPJK-UHFFFAOYSA-N
SMILES string	CC1=CN=C(S1)NC(=O)CC2=CNC3=CC=CC=C32
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	GSK-3 beta inhibitor 12 is utilized in signal transduction research as a special ized inhibitor to study the modulation of phosphorylation-dependent signaling ev ents within the insulin-responsive cascade.

Library Information



Target	GSK-3
Receptor	GSK-3 β
Pathways	Stem cells; PI3K/Akt/mTOR signaling
Plate Number	AOCL-28
Plate Location	g4
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	50 mg/mL; 184.27 mM