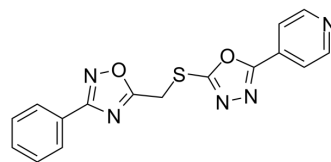


GS87

Cat. No.:	HY-134557
CAS No.:	919936-70-2
Molecular Formula:	C ₁₆ H ₁₁ N ₅ O ₂ S
Molecular Weight:	337.36
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	GS87 is a highly specific and potent GSK3 inhibitor with IC ₅₀ s of 415nM and 521nM for GSK3 α and GSK3 β , respectively. GS87 induces differentiation of acute myeloid leukemia (AML) cell lines by effectively activating GSK3-dependent signaling components including MAPK signaling. GS87 modulates key GSK3 target proteins involved in cell proliferation and differentiation more effectively than Lithium and SB415285 (SB). GS87 has the potential for acting as a differentiation agent for non-promyelocytic AML research ^[1] .	
IC ₅₀ & Target	GSK3 α 415 nM (IC ₅₀)	GSK3 β 521 nM (IC ₅₀)

REFERENCES

[1]. Sophia Hu, et al. A Novel Glycogen Synthase Kinase-3 Inhibitor Optimized for Acute Myeloid Leukemia Differentiation Activity. Mol Cancer Ther. 2016 Jul;15(7):1485-1494.

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