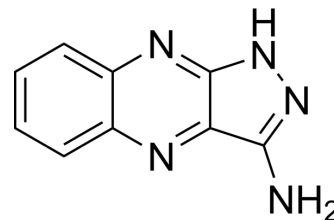


NSC693868

Cat. No.:	HY-103381
CAS No.:	40254-90-8
Molecular Formula:	C ₉ H ₇ N ₅
Molecular Weight:	185.19
Target:	CDK; GSK-3
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NSC693868 is a selective inhibitor of CDK1 and CDK5 with IC ₅₀ s of 600 nM and 400 nM, respectively. NSC693868 less potently inhibits GSK3β with an IC ₅₀ of 1 μM) and does not block CDC25 activity. NSC693868 is used to help define the roles of CDK1 and CDK5 in various signaling pathways ^[1] .		
IC ₅₀ & Target	Cdk1/cyclin B 600 nM (IC ₅₀)	Cdk5/p25 400 nM (IC ₅₀)	GSK-3β 1 μM (IC ₅₀)

REFERENCES

[1]. Ortega MA, et al. Pyrazolo[3,4-b]quinoxalines. A new class of cyclin-dependent kinases inhibitors. Bioorg Med Chem. 2002 Jul;10(7):2177-84.

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