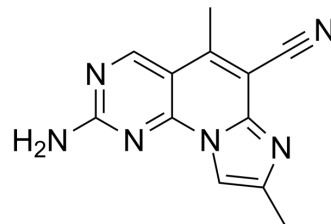


CDK4/6-IN-12

Cat. No.:	HY-146213
CAS No.:	2445205-24-1
Molecular Formula:	C ₁₂ H ₁₀ N ₆
Molecular Weight:	238.25
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CDK4/6-IN-12 is a potent cyclin-dependent kinase 4/6 (CDK4/6) inhibitor. CDK4/6-IN-12 has enzymatic inhibitory activity for CDK4 and CDK6 with IC ₅₀ of 592.3 nM and 3090 nM, respectively. CDK4/6-IN-12 can be used for the research of cancer ^[1] .	
IC₅₀ & Target	CDK4 592.3 nM (IC ₅₀)	CDK6 3090 nM (IC ₅₀)
In Vitro	CDK4/6-IN-12 (compound 4a) inhibits CDK4 and CDK6 with IC ₅₀ of 592.3 nM and 3090 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Chen Shi, et al. Discovery of a novel series of imidazo[1',2':1,6]pyrido[2,3-d]pyrimidin derivatives as potent cyclin-dependent kinase 4/6 inhibitors. Eur J Med Chem. 2020 May 1;193:112239.

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