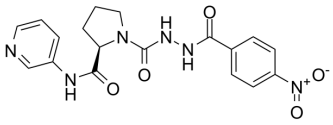
CDK4/6-IN-8

Cat. No.:	HY-143258
CAS No.:	2649120-22-7
Molecular Formula:	$C_{18}H_{18}N_6O_5$
Molecular Weight:	398.37
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-8 (Compound 7p) is a selective CDK4 and CDK6 inhibitor with IC_{50} values of 5.01 nM and 3.97 nM, respectively[1].

IC_{50} & Target	CDK6	CDK4
	3.97 nM (IC_{50})	5.01 nM (IC_{50})

In Vitro

CDK4/6-IN-8 (Compound 7p) (0-656.1 μM, 48 h) shows anti-breast cancer activity[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	MCF-7
Concentration:	0.1, 0.3, 0.9, 2.7, 8.1, 24.3, 72.9, 218.7 and 656.1 μM
Incubation Time:	48 h
Result:	Inhibited cell viability with an IC_{50} of 2.8 μM.

REFERENCES

[1]. Liang JW, et al. Synthesis and identification of a novel skeleton of N-(pyridin-3-yl) proline as a selective CDK4/6 inhibitor with anti-breast cancer activities. Bioorg Chem. 2022 Feb;119:105547.

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