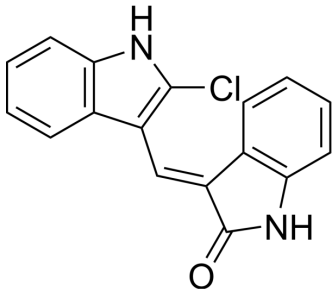
CDK1-IN-2

Cat. No.:	HY-112463
CAS No.:	220749-41-7
Molecular Formula:	$C_{17}H_{11}ClN_2O$
Molecular Weight:	294.74
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (848.21 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	3.3928 mL	16.9641 mL	33.9282 mL
5 mM	0.6786 mL	3.3928 mL	6.7856 mL
10 mM	0.3393 mL	1.6964 mL	3.3928 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	CDK1-IN-2 is a CDK1 inhibitor (IC_{50}: 5.8 μM)[1].
IC_{50} & Target	CDK1 5.8 μM (IC_{50})
In Vitro	CDK1-IN-2 (“CDK1 inhibitor 1”, 0-19.8 μM, 24 h) arrests HCT-116 cells in G2/M phase[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jorda R, et al. How Selective Are Pharmacological Inhibitors of Cell-Cycle-Regulating Cyclin-Dependent Kinases? J Med Chem. 2018 Oct 25;61(20):9105-9120.

Caution: Product has not been fully validated for medical applications. For research use only.

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