## CLK1-IN-2

Cat. No.:	HY-152219		
Molecular Formula:	C <sub>16</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> C	⊃₂S	
Molecular Weight:	367.25		
Target:	CDK		
Pathway:	Cell Cycle/D	NA Dam	age
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

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### SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.7229 mL	13.6147 mL	27.2294 mL
		5 mM	0.5446 mL	2.7229 mL	5.4459 mL
		10 mM	0.2723 mL	1.3615 mL	2.7229 mL

BIOLOGICAL ACTIV	ТТҮ		
Description	CLK1-IN-2 is metabolically stable Clk1 inhibitor. CLK1-IN-2 has selectivity for Clk1 with an IC <sub>50</sub> value of 1.7 nM. CLK1-IN-2 can be used for the research of tumour, Duchenne's muscular dystrophy and viral infections such as HIV-1 and influenza <sup>[1]</sup> .		
IC <sub>50</sub> & Target	IC50: 1.7 nM (Clk1) <sup>[1]</sup> .		
In Vitro	CLK1-IN-2 shows long me CLK1-IN-2 shows a GI50 CLK1-IN-2 shows a cellul MCE has not independen Cell Cytotoxicity Assay <sup>[1]</sup>		
	Cell Line:	Human dermal fibroblasts	
	Concentration:	15 μΜ	

# Product Data Sheet

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Incubation Time:	2 days
Result:	Not affected the proliferation of normal human cells such as fibroblasts.

### REFERENCES

[1]. Dalia S El-Gamil, et al. Discovery of novel 5-methoxybenzothiophene hydrazides as metabolically stable Clk1 inhibitors with high potency and unprecedented Clk1 isoenzyme selectivity. Eur J Med Chem. 2022 Dec 15;247:115019.

#### 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