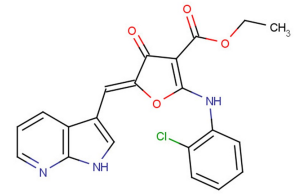


## Data Sheet (Cat.No.T10724)

Cdc7-IN-1

### Chemical Properties

CAS No.:	1402055-25-7
Formula:	C <sub>21</sub> H <sub>16</sub> ClN <sub>3</sub> O <sub>4</sub>
Molecular Weight:	409.82
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	Cdc7-IN-1 is a highly selective and ATP competitive inhibitor of Cdc7 kinase (IC <sub>50</sub> : 0.6 nM at 1 mM ATP). It potently inhibits Cdc7 activity in cancer cells and effectively induces cell death.
Targets(IC <sub>50</sub> )	Cdc7, at 1 mM ATP: 0.6 nM

### Solubility Information

Solubility	DMSO: 5.2 mg/mL (12.69 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.44 mL	12.2 mL	24.401 mL
5 mM	0.488 mL	2.44 mL	4.88 mL
10 mM	0.244 mL	1.22 mL	2.44 mL
50 mM	0.049 mL	0.244 mL	0.488 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Irie T, et al. Discovery of novel furanone derivatives as potent Cdc7 kinase inhibitors. *Eur J Med Chem.* 2017 Apr 21;130:406-418.

Inhibitors · Natural Compounds · Compound Libraries

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