



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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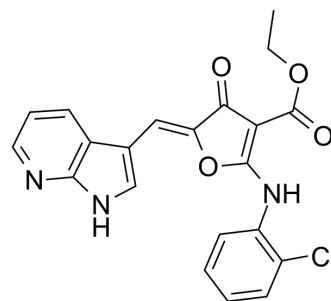
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Cdc7-IN-1

Cat. No.:	HY-101523
CAS No.:	1402055-25-7
Molecular Formula:	C ₂₁ H ₁₆ ClN ₃ O ₄
Molecular Weight:	409.82
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5.2 mg/mL (12.69 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.4401 mL	12.2005 mL	24.4010 mL
	5 mM		0.4880 mL	2.4401 mL	4.8802 mL
	10 mM		0.2440 mL	1.2200 mL	2.4401 mL

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

BIOLOGICAL ACTIVITY

Description

Cdc7-IN-1 (Compound 13) is a highly potent, selective and ATP competitive inhibitor of Cdc7 kinase, with an IC₅₀ value of 0.6 nM at 1 mM ATP and with slow off-rate characteristics. Cdc7-IN-1 potently inhibits Cdc7 activity in cancer cells, and effectively induces cell death^[1].

IC₅₀ & Target

IC₅₀: 0.6 nM (Cdc7, at 1 mM ATP)^[1]

REFERENCES

[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.

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

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