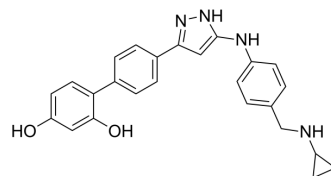


CHK1-IN-7

Cat. No.:	HY-103367
CAS No.:	838823-31-7
Molecular Formula:	C ₂₅ H ₂₄ N ₄ O ₂
Molecular Weight:	412.48
Target:	Checkpoint Kinase (Chk)
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8 mg/mL (19.39 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4244 mL	12.1218 mL	24.2436 mL
5 mM	0.4849 mL	2.4244 mL	4.8487 mL
10 mM	0.2424 mL	1.2122 mL	2.4244 mL

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

BIOLOGICAL ACTIVITY

Description

CHK1-IN-7 (Compound 10c) is a potent human CHK1 inhibitor. CHK1-IN-7 shows no single agent effect, potentiates the antiproliferative effect of Gemcitabine HY-17026 in both prostate and breast cancer cell lines. CHK1-IN-7 can be used for the research of cancer^[1].

REFERENCES

[1]. Teng M, et al. Structure-based design and synthesis of (5-arylamino-2H-pyrazol-3-yl)-biphenyl-2',4'-diols as novel and potent human CHK1 inhibitors. J Med Chem. 2007 Nov 1;50(22):5253-6.

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

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