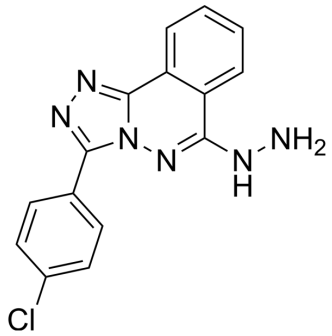
PCAF-IN-1

Cat. No.:	HY-147894
CAS No.:	2439194-86-0
Molecular Formula:	$C_{15}H_{11}ClN_6$
Molecular Weight:	310.74
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 0.5 mg/mL (1.61 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.2181 mL	16.0906 mL	32.1812 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

PCAF-IN-1 is a highly selective PCAF inhibitor. PCAF-IN-1 is a antitumor agents, which can be used in tumor research research[1].

In Vitro

PCAF-IN-1 (Compound 32) (10 μM, 72 hours; human tumor cell lines) exerts the most potent antitumor activities against human cancer cell lines[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Cytotoxicity Assay[1]

Cell Line:	Hepatocellular carcinoma (HePG-2), breast cancer (MCF-7), prostate cancer (PC3) and colorectal carcinoma (HCT-116).
Concentration:	10 μM
Incubation Time:	72 hours
Result:	Inhibited with IC_{50} values of 4.89, 6.18, 9.71 and 3.76 μM for HePG-2, MCF-7, PC3 and HCT-

	116, respectively.

REFERENCES

[1]. Turky A, et al. Design, synthesis, and antitumor activity of novel compounds based on 1,2,4-triazolophthalazine scaffold: Apoptosis-inductive and PCAF-inhibitory effects. Bioorg Chem. 2020 Aug;101:104019.

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