
Product Data Sheet

Product Name: PCAF-IN-1

Cat. No.: GC69668

Chemical Properties

Cas. No. 2439194-86-0

Formula $C_{15}H_{11}ClN_6$ M.Wt 310.74

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

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].

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].

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.

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

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[1]. Turkey 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.

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