



# 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

### SZABO-SCANDIC HandelsgmbH

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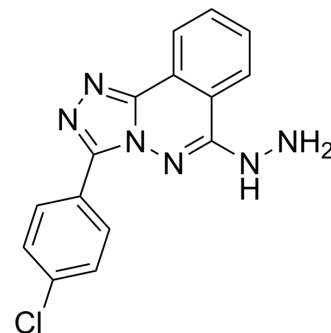
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## PCAF-IN-1

|                    |                                                  |       |          |
|--------------------|--------------------------------------------------|-------|----------|
| Cat. No.:          | HY-147894                                        |       |          |
| CAS No.:           | 2439194-86-0                                     |       |          |
| Molecular Formula: | C <sub>15</sub> H <sub>11</sub> ClN <sub>6</sub> |       |          |
| 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)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 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<sup>[1]</sup>.

### 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<sup>[1]</sup>.

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

Cell Cytotoxicity Assay<sup>[1]</sup>

|                  |                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------|
| 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 <sub>50</sub> values of 4.89, 6.18, 9.71 and 3.76 µM for HePG-2, MCF-7, PC3 and HCT-              |

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|  |                    |
|--|--------------------|
|  | 116, respectively. |
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## 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.

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

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