



# 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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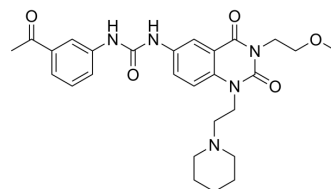
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## COP1-ATGL modulator 1

|                    |   |       |          |
|--------------------|---|-------|----------|
| Cat. No.:          | HY-157416   |       |          |
| CAS No.:           | 2946701-09-1  |       |          |
| Molecular Formula: | C <sub>27</sub> H <sub>33</sub> N <sub>5</sub> O <sub>5</sub> |       |          |
| Molecular Weight:  | 507.58  |       |          |
| 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 : 100 mg/mL (197.01 mM; Need ultrasonic)   |                          |           |            |
|   |   | Solvent<br>Concentration | Mass      |            |
|   |   |                          | 1 mg      | 5 mg       |
|   |   |                          | 10 mg     |            |
| Preparing Stock Solutions   | 1 mM  | 1.9701 mL                | 9.8507 mL | 19.7013 mL |
|   | 5 mM  | 0.3940 mL                | 1.9701 mL | 3.9403 mL  |
|   | 10 mM   | 0.1970 mL                | 0.9851 mL | 1.9701 mL  |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |           |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (4.93 mM); Clear solution |                          |           |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | COP1-ATGL modulator 1 (86) is an orally active modulator for COP1-ATGL axis. COP1-ATGL modulator 1 (86) could increase ATGL protein expression, reduce ATGL ubiquitination and COP1 autoubiquitination, and diminish lipid accumulation in hepatocytes in the nanomolar range <sup>[1]</sup> . |
|-------------|--|

### REFERENCES

[1]. Dipayan Sarkar, et al. Discovery and Development of Quinazolinones and Quinazoliniones for Ameliorating Nonalcoholic Fatty Liver Disease (NAFLD) by Modulating COP1-ATGL Axis. *J Med Chem.* 2023 Dec 28;66(24):16728-16761.

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

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