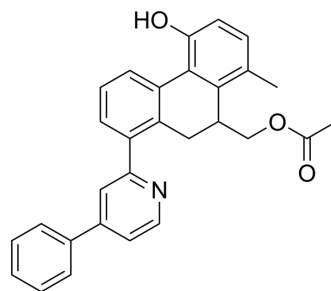


## 3CPLro-IN-1

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-144260                                                                                 |
| CAS No.:           | 2432956-06-2                                                                              |
| Molecular Formula: | C <sub>29</sub> H <sub>25</sub> NO <sub>3</sub>                                           |
| Molecular Weight:  | 435.51                                                                                    |
| Target:            | SARS-CoV                                                                                  |
| Pathway:           | Anti-infection                                                                            |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

3CPLro-IN-1 (compound A17) is a potent and orally active inhibitor of SARS-CoV-2 3CLpro with an IC<sub>50</sub> of 5.65 μM. 3-Chymotrypsin-like cysteine protease (3CLpro) is an indispensable protein in viral replication and represents an attractive agent target for fighting COVID-19<sup>[1]</sup>.

### REFERENCES

[1]. Zhang JW, et al. Discovery of 9,10-dihydrophenanthrene derivatives as SARS-CoV-2 3CLpro inhibitors for treating COVID-19. *Eur J Med Chem.* 2022;228:114030.

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

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