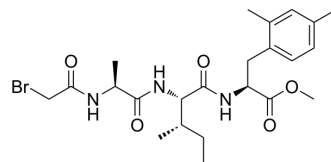


## D-4-77

Cat. No.:	HY-156734
Molecular Formula:	C <sub>23</sub> H <sub>34</sub> BrN <sub>3</sub> O <sub>5</sub>
Molecular Weight:	512.44
Target:	SARS-CoV; Virus Protease
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

D-4-77 is a potent inhibitor of SARS-CoV-2 Mpro with an IC<sub>50</sub> value of 0.95 μM. D-4-77 has antiviral active with an EC<sub>50</sub> value of 0.49 μM. D-4-77 suppresses SARS-CoV-2 Mpro -induced antagonism of the host NF-κB innate immune response<sup>[1]</sup>.

### REFERENCES

[1]. Liu M, et, al. The S1'-S3' Pocket of the SARS-CoV-2 Main Protease Is Critical for Substrate Selectivity and Can Be Targeted with Covalent Inhibitors. Angew Chem Int Ed Engl. 2023 Aug 23:e202309657.

**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