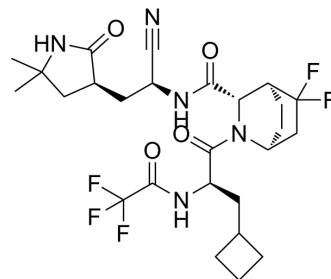


## AB-343

Cat. No.:	HY-172214
Molecular Formula:	C <sub>26</sub> H <sub>34</sub> F <sub>5</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	575.57
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

AB-343 is a selective covalent inhibitor of SARS-CoV-2 M<sup>pro</sup>, with an IC<sub>50</sub> of 8 nM and a K<sub>i</sub> of 2.8 nM. AB-343 can effectively inhibit the main proteases of SARS-CoV-2 and many other coronaviruses, and is also active against some resistant variants. AB-343 can be used in the research of treating coronavirus infection-related diseases<sup>[1][2]</sup>.

### REFERENCES

[1]. McGovern-Gooch KR, et al. Biological characterization of AB-343, a novel and potent SARS-CoV-2 M<sup>pro</sup> inhibitor with pan-coronavirus activity. *Antiviral Res.* 2024 Dec;232:106038.

[2]. Mason J D, et al. Development of a Scalable Manufacturing Process for AB-343 Drug Substance: A Potential Candidate for the Treatment of Coronavirus Infections. *Organic Process Research & Development*, 2025.

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

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