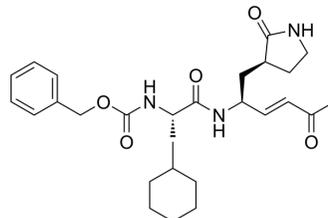


## SPR41

Cat. No.:	HY-152224
Molecular Formula:	C <sub>27</sub> H <sub>37</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	483.6
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	SPR41 is a potent SARS-CoV-2 main protease inhibitor with K <sub>i</sub> values of 0.184, 0.252, 14.4 μM for SARS-CoV-2 M <sup>Pro</sup> , hCatL, hCatB, respectively. SPR41 shows antiviral and cytotoxicity <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	K <sub>i</sub> : 0.184 μM (SARS-CoV-2 M <sup>Pro</sup> ); 0.252 μM (hCatL); 14.4 μM (hCatB) <sup>[1]</sup>
<b>In Vitro</b>	SPR41 (0-100 μM; 1 h) shows antiviral and cytotoxicity with EC <sub>50</sub> of 1.8 μM for SARS-CoV-2 infected Huh-7-ACE2 cells and CC <sub>50</sub> of 14.5 μM for Huh-7-ACE2 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Previti S, et al. Structure-based lead optimization of peptide-based vinyl methyl ketones as SARS-CoV-2 main protease inhibitors. *Eur J Med Chem.* 2022 Dec 15;247:115021.

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

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