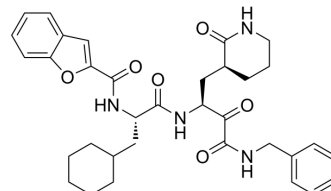


## CTSL/CAPN1-IN-2

Cat. No.:	HY-161342
CAS No.:	2410075-64-6
Molecular Formula:	C <sub>34</sub> H <sub>40</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	600.7
Target:	Cathepsin; SARS-CoV
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CTSL/CAPN1-IN-2 (Compound 14b) is an orally active inhibitor of both CTSL and CAPN1, with IC <sub>50</sub> values of 6.88 nM and 347.6 nM, respectively. CTSL/CAPN1-IN-2 possesses anti-inflammatory properties and favorable pharmacokinetic characteristics. CTSL/CAPN1-IN-2 exhibits broad-spectrum antiviral activity against coronaviruses by blocking viral entry <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> :6.88 nM (CTSL) <sup>[1]</sup> . IC <sub>50</sub> :347.6 nM (CAPN1) <sup>[1]</sup> .

### REFERENCES

[1]. Xie X, et al. Structure-based design of pan-coronavirus inhibitors targeting host cathepsin L and calpain-1. *Signal Transduct Target Ther.* 2024 Mar 6;9(1):54.

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

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