



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

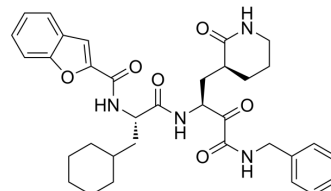
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CTSL/CAPN1-IN-2

Cat. No.:	HY-161342
CAS No.:	2410075-64-6
Molecular Formula:	C ₃₄ H ₄₀ N ₄ O ₆
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 ₅₀ 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 ^[1] .
IC ₅₀ & Target	IC ₅₀ :6.88 nM (CTSL) ^[1] . IC ₅₀ :347.6 nM (CAPN1) ^[1] .

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.

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