



LKT Laboratories, Inc.

PF-07321332

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Product Information

Product ID P200002

CAS No. 2628280-40-8

Chemical Name (1R,2S,5S)-N-[(1S)-1-cyano-2-[(3S)-2-oxopyrrolidin-3-yl]ethyl]-3-[(2S)-3,3-dimethyl-2-[(2,2,2-trifluoroacetyl)amino]butanoyl]-6,6-dimethyl-3-azabicyclo[3.1.0]hexane-2-carboxamide

Synonym Nirmatrelvir; 7R9A5P7H32; Paxlovid; PF07321332

Formula C₂₃H₃₂F₃N₅O₄

Formula Wt. 499.5

Melting Point

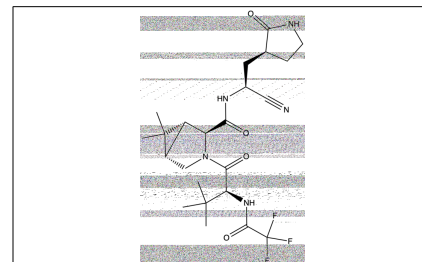
Purity ≥99%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description PF-07321332 (nirmatrelvir) is a protease inhibitor. It is considered a broad-spectrum inhibitor for coronaviruses.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P200002	5 mg	\$99.80
P200002	25 mg	\$236.30
P200002	100 mg	\$472.50

References Zhao Z, Zhu Q, Zhou X, et al. Structural basis for the inhibition of SARS-CoV-2 M^{pro} D48N mutant by shikonin and PF-07321332. *Viruses*. 2023 Dec 30;16(1):65. PMID: 38257765.

J A Mótýán, M Mahdi, G. Hoffka, et.al. Potential Resistance of SARS-CoV-2 Main Protease (Mpro) against Protease Inhibitors: Lessons Learned from HIV-1 Protease. *Int J Mol Sci*. 2022 Mar 23;23(7):3507.

S. Ullrich, K. B. Ekanayake, G. Otting, etl al. Main protease mutants of SARS-CoV-2 variants remain susceptible to nirmatrelvir. *Bioorg Med Chem Lett* 2022 Apr 15;62:128629. PMID: 35182772.

J. Li, C. Lin, X. Zhou, et al. Structural Basis of the Main Proteases of Coronavirus Bound to Drug Candidate PF-07321332. *J Virol*. 2022 Apr 7;e0201321. doi: 10.1128/jvi.02013-21.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.