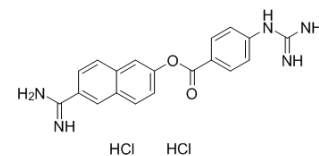


## Nafamostat hydrochloride

Cat. No.:	HY-B0190B
CAS No.:	80251-32-7
Molecular Formula:	C <sub>19</sub> H <sub>19</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	420.29
Target:	Ser/Thr Protease; Apoptosis; SARS-CoV
Pathway:	Metabolic Enzyme/Protease; Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Nafamostat hydrochloride, a synthetic serine protease inhibitor, is an anticoagulant. Nafamostat hydrochloride suppresses T cell auto-reactivity by decreasing granzyme activity and CTL cytotoxicity. Nafamostat hydrochloride blocks activation of SARS-CoV-2. [1][2][3][4].

### CUSTOMER VALIDATION

- Cell Res. 2020 Mar;30(3):269-271.
- Nucleic Acids Res. 2021 Jan 8;49(D1):D11113-D11121.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Ikehara S, et al. Effect of FUT-175, a new synthetic protease inhibitor, on the development of lupus nephritis in (NZB x NZW) F1 mice. Immunology. 1985 Aug;55(4):595-600.
- [2]. Pak K, et al. Effectiveness of FUT-175, protease inhibitor, as an anticoagulant to hemodialysis. Hinyokika Kyo. 1988 Jun;34(6):1077-81.
- [3]. Homma S, et al. Nafamostat mesilate, a serine protease inhibitor, suppresses interferon-gamma-induced up-regulation of programmed cell death ligand 1 in human cancer cells. Int Immunopharmacol. 2018 Jan;54:39-45.
- [4]. Markus Hoffmann, et al. Nafamostat Mesylate Blocks Activation of SARS-CoV-2: New Treatment Option for COVID-19. Antimicrob Agents Chemother. 2020 Jun; 64(6): e00754-20.

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

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