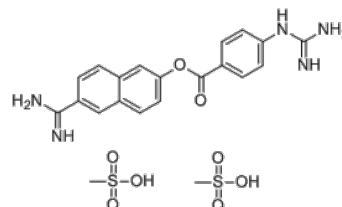


Product Name : Nafamostat mesylate
Cat. No. : PC-47020
CAS No. : 82956-11-4
Molecular Formula : C₂₁H₂₅N₅O₈S₂
Molecular Weight : 539.6
Target : SARS-CoV-2 Inhibitors
Solubility : 10 mM in DMSO



Biological Activity

Nafamostat mesylate is a synthetic serine protease inhibitor with anticoagulant, anti-inflammatory, mucus clearing, and potential antiviral activities, blocked SARS-CoV-2 infection of Calu-3 cells with IC₅₀ of 10 nM.

Nafamostat mesylate potently inhibits SARS-CoV-2 S protein-mediated fusion in a cell fusion assay system and also inhibits SARS-CoV-2 infection in vitro in a cell-type-dependent manner.

References

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Zhou H, et al. Br J Pharmacol. 2020 Jul;177(14):3147-3161.

Yamamoto M, et al. Viruses. 2020 Jun 10;12(6):629.

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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