

2019-nCoV 3CL^{pro}, Active

Catalog No: C19CL-G241H

The SARS-CoV-2 main proteinase (M^{pro}), also called 3-Chymotrypsin like protease (3CL^{pro}), is a cysteine protease that plays a key role in proteolytic processing of viral polyproteins, making it an essential protein for viral replication and function. Protease inhibitors such as lopinavir/ritonavir (LPV/r), that block the cleavage function of 3CL^{pro} can be expected to inhibit virus replication, making this enzyme one of the most attractive targets for treatment of COVID-19. Signalchem's 2019-nCoV 3CL^{pro} was expressed in E. coli cells with an N-terminal His tag and is an ideal candidate to investigate drug candidates against the COVID-19 pandemic.

Unique Selling Points



Biologically active and fully functional



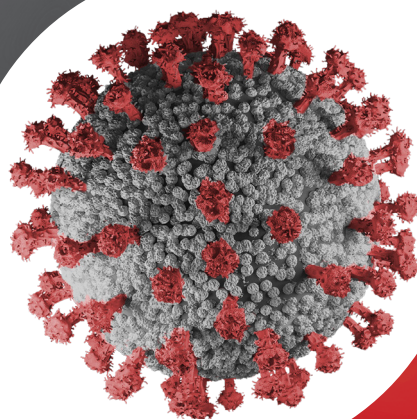
Protease Activity determined using proteolytic activity assay



The purity was determined to be approx. 90%.



Effective for COVID-19 activity assays & inhibition profile studies



Competitors

R&D SYSTEMS
a biotechne brand



SIGMA-ALDRICH



Sino Biological
Biological Solution Specialist

Target Customers



Biopharmaceutical companies developing antiviral drugs



Biopharmaceutical companies developing vaccines



Government research organizations



Scientists studying SARS-CoV-2 structure and mode of actions



Universities investigating SARS-CoV-2