



## Covidytea, TF670

Cat No: 33766 - 100 test

### General Data

<b>Shipping:</b>	dry ice
<b>Formulation:</b>	A solid
<b>Purity:</b>	≥95%



### Product Overview

Viral main protease (Mpro), also known as 3C-like protease (3CLpro), is a viral protease that mediates the replication and transcription of severe acute respiratory syndrome coronavirus (SARS-CoV) and SARS-CoV-2, the causative agents of SARS and COVID-19, respectively. Mpro digests SARS-CoV and SARS-CoV-2 viral polyproteins at 11 conserved sites, beginning with autolytic cleavage of itself, to release the functional peptides required for viral replication and transcription. Covidytea™ TF670 is a fluorogenic substrate for Mpro that contains 14 amino acids, KTSAVLQSGFRKME, which are recognized by Mpro. Upon enzymatic cleavage by Mpro, the fluorophore, TideFluor™ 5 (TF5), is separated from the quencher, TideQuencher™ 5 (TQ5), displays excitation/emission maxima of 640/680 nm, respectively, and can be used to quantify Mpro activity.

FP/30/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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