

# M<sup>pro</sup> Protease from SARS-CoV-2 Assay Toolkit

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## M<sup>pro</sup> protease

The SARS-CoV-2 [main protease](#) is now available from Biosynth Carbosynth! Key features:

- expressed in *E. coli*
- recombinant protein carrying a 6xHis tag at C-terminal
- 6xHis tag which can be removed with the PreScission protease
- More information on the protein sequence and enzymatic activity is available in the M<sup>pro</sup> application notes.

## M<sup>pro</sup> substrate

- Fluorogenic compound [Ac-Abu-Tle-Leu-Gln-AMC](#).
- Following the hydrolytic activity of the M<sup>pro</sup> protease, the fluorogenic AMC group gets released from the substrate, generating a fluorescent signal
- Ex 380 nm / Em 455 nm
- More information available in application notes

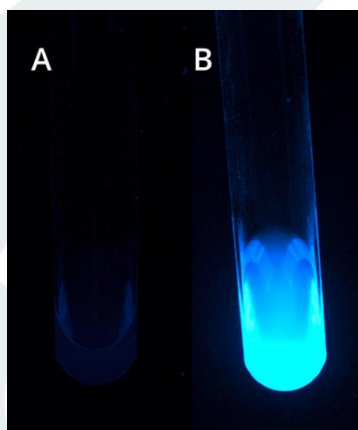


Image of glass tubes containing 0.1 mM [Ac-Abu-Tle-Leu-Gln-AMC](#) in assay buffer, without (A) and with (B) [M<sup>pro</sup> protease](#).

## M<sup>pro</sup> inhibitors

Several inhibitors of the M<sup>pro</sup> protease have been revealed using computational and experimental approaches. More information is in the [brochure](#).

Code	Product
<b>Enzyme</b>	
BS178678	<a href="#">M<sup>pro</sup> protease</a>
<b>Substrate</b>	
FA178674	<a href="#">Ac-Abu-Tle-Leu-Gln-AMC</a>
<b>Buffer components</b>	
FT15751	<a href="#">TRIS</a>
FE04031	<a href="#">EDTA</a>
FD02370	<a href="#">DIT</a>
<b>Inhibitors</b>	
BN178815	<a href="#">N3</a>
FE75162	<a href="#">Ebselen</a>
FD22545	<a href="#">Disulfiram</a>
FT30356	<a href="#">Tideglusib</a>
BC164286	<a href="#">Carmofur</a>
FS65933	<a href="#">Shikonin</a>
BP177052	<a href="#">PX 12</a>
FB18327	<a href="#">TDZD 8</a>
FT66348	<a href="#">Baicalein</a>
FB18939	<a href="#">Boceprevir</a>
BG167367	<a href="#">GC 376</a>
FC29615	<a href="#">Calpain inhibitor II</a>
BC177426	<a href="#">Calpain inhibitor XII</a>