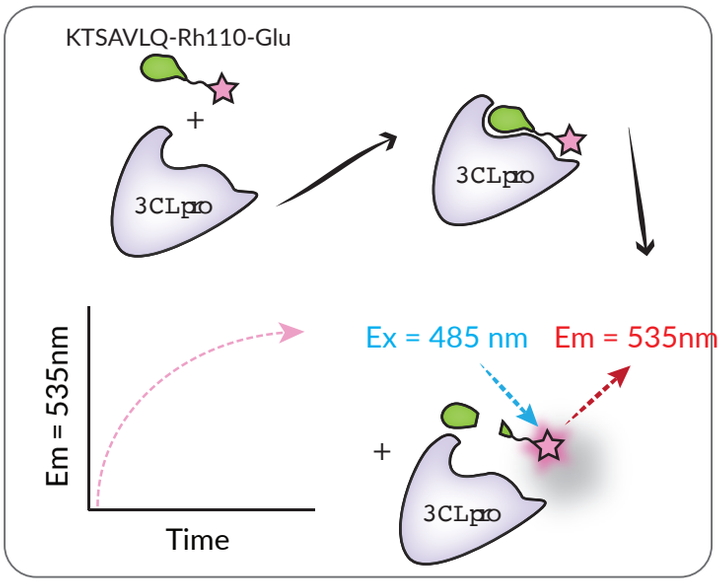
KTSAVLQ-Rhodamine110-y-Glu

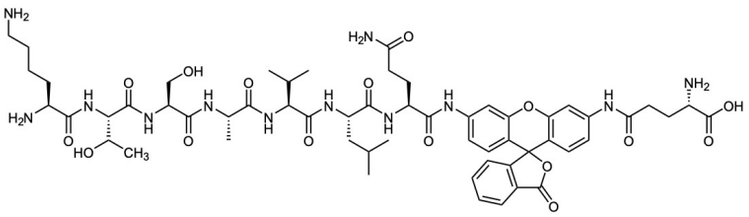
Cat. No. SBB-PS0130
Lot. No. 220300130

South Bay Bío

KTSAVLQ-Rhodamine110-y-Glu

KTSAVLQ-Rhodamine110-y-Glu (Lys-Tyr-Ser-Ala-Val-Leu-Glu-Rh110-y-Glu) is a Rhodamine 110 labeled fluorogenic peptidyl substrate that can be hydrolyzed by 3CLpro (Mpro) SBB-DE0129 a Chemotrypsin like protease, cleaving between the glutamine and the Rhodamine110 fluorophore. Prior hydrolysis, the Rhodamine110 moiety is quenched resulting in a very low background. This substrate is ideal for activity determination of 3CLpro and suitable for HTS or pilot screens in search for potential inhibitors due to its red shifted fluorescence compared to AMC or Dabcyl/Edans substrates. This results in less interference with potential inhibitors in screeing campaigns.





Chemical Structure of KTSAVLQ-Rhodamine110-y-Glu, 1187.3 Da, Ex=485nm, Em=535nm.

Product Information

Quantity: 250 µg Molecular Weight: 1187.3 Da

Concentration: 5mM Purity: >99% by HPLC

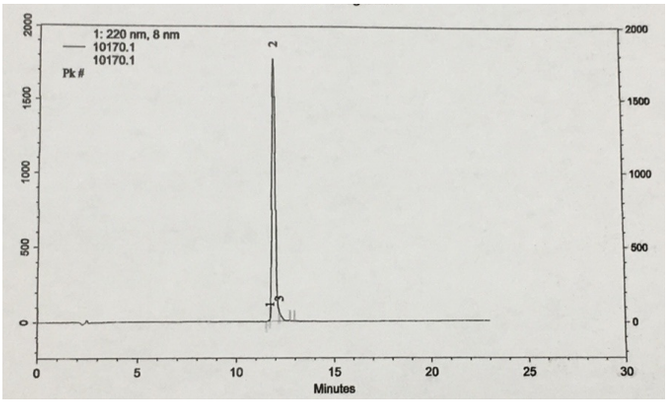
Solubility: >75 µM in physiological aqueous buffer

Ex/Em (nm): 485/535 (recommended)

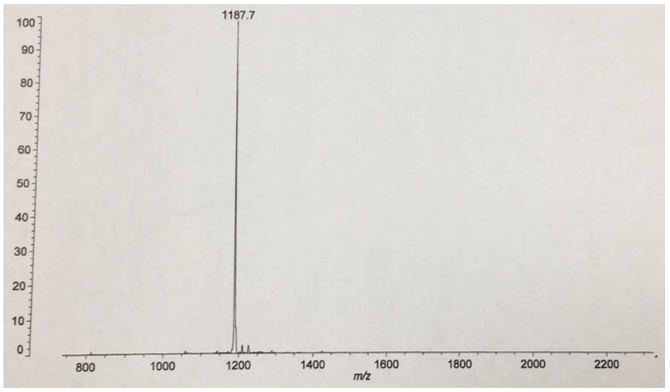
Storage: Store at -20°C after product arrival. It is recommended to make multiple aliquots after the first thaw to ensure best performance.

Quality Control and Performance Data

HPLC analysis



Mass Spec



HPLC purity and Mass spec data of KTSAVLQ-Rhodamine110-y-Glu

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References

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