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## Product Data Sheet

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Product Name: XR8-89  
Cat. No.: GC67965

### Chemical Properties

Cas. No. 2817811-16-6

Formula C<sub>29</sub>H<sub>36</sub>N<sub>4</sub>O<sub>2</sub>S M.Wt 504.69

Solubility Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

### Background

IC<sub>50</sub>: 0.1 μM (papain-like protease)<sup>[1]</sup>

XR8-89 is a potent **papain-like protease (PL<sup>pro</sup>)** inhibitor with an **IC<sub>50</sub>** value of 0.1 μM. XR8-89 induces conformational changes in SARS-COV-2 papain-like protease, inhibiting SARS-CoV-2 replication. XR8-89 can be used for SARS-CoV-2 research<sup>[1]</sup>.

XR8-89 induces conformational changes mainly in BL2 region and increases the activity against PL<sup>pro</sup><sup>[1]</sup>.

[1]. Ferreira GM, et al. Inhibitor induced conformational changes in SARS-COV-2 papain-like protease. Sci Rep. 2022 Jul 8;12(1):11585.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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