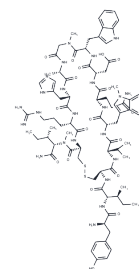


AMY-101

Chemical Properties

CAS No. : 1427001-89-5
 Formula: C₈₃H₁₁₇N₂₃O₁₈S₂
 Molecular Weight: 1789.11
 Storage: Keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | AMY-101 is a peptidic inhibitor of the central complement component C3 (KD: 0.5 nM). AMY-101 shows a favorable anti-inflammatory activity in models with COVID-19 severe pneumonia with systemic hyper inflammation. |
| Targets(IC50) | Others, Complement System, SARS-CoV |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.5589 mL | 2.7947 mL | 5.5894 mL |
| 5 mM | 0.1118 mL | 0.5589 mL | 1.1179 mL |
| 10 mM | 0.0559 mL | 0.2795 mL | 0.5589 mL |
| 50 mM | 0.0112 mL | 0.0559 mL | 0.1118 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Kajikawa T, et al. Safety and Efficacy of the Complement Inhibitor AMY-101 in a Natural Model of Periodontitis in Non-human Primates. *Mol Ther Methods Clin Dev.* 2017 Aug 18;6:207-215.
 Mastaglio S, et al. The first case of COVID-19 treated with the complement C3 inhibitor AMY-101. *Clin Immunol.* 2020 Apr 29:108450

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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