

Gly-Gly-AMC

Chemical Properties

CAS No. : 208645-74-3

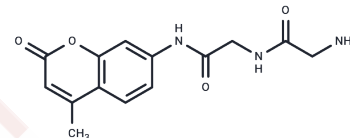
Formula: C₁₄H₁₅N₃O₄

Molecular Weight: 289.29

Storage: Keep away from direct sunlight, Store at low temperature

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 | Gly-Gly-AMC (H-Gly-Gly-AMC) is a fluorogenic substrate for cathepsin C, used for quantifying cathepsin C activity. |
| Targets(IC50) | Others |
| In vitro | Gly-Gly-AMC is subject to hydrolysis at minimal levels by cell extracts from SW480 and T47D [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.4567 mL | 17.2837 mL | 34.5674 mL |
| 5 mM | 0.6913 mL | 3.4567 mL | 6.9135 mL |
| 10 mM | 0.3457 mL | 1.7284 mL | 3.4567 mL |
| 50 mM | 0.0691 mL | 0.3457 mL | 0.6913 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

Berger Y, et al. Determination of intracellular prolyl/glycyl proteases in intact living human cells and protoporphyrin IX production as a reporter system. Chem Biol. 2005 Aug;12(8):867-72.

Wildeboer D, et al. Characterization of bacterial proteases with a panel of fluorescent peptide substrates. Anal Biochem. 2009 Jan 15;384(2):321-8.

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