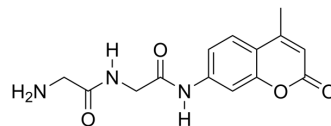


## Gly-Gly-AMC

Cat. No.:	HY-120659
CAS No.:	208645-74-3
Molecular Formula:	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	289.29
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Gly-Gly-AMC is a fluorogenic peptide substrate. Gly-Gly-AMC can be used to assess bacterial protease activity of <i>P. aeruginosa</i> and <i>S. aureus</i> <sup>[1][2]</sup> .
<b>In Vitro</b>	Gly-Gly-AMC can be hydrolyzed at very low levels by SW480 and T47D cell extracts <sup>[1]</sup> . Gly-Gly-AMC can be used to assess bacterial protease activity of <i>P. aeruginosa</i> and <i>S. aureus</i> <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. 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.

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

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

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