

Product Data Sheet

Product Name: Gly-Gly-AMC

Cat. No.: GC18434

Chemical Properties

Cas. No. 208645-74-3

Chemical Name glycyl-N-(4-methyl-2-oxo-2H-1-benzopyran-7-yl)-glycinamide

SMILES NCC(N([H])CC(N([H])C1=CC=C(C(C)=CC(O2)=O)C2=C1)=O)=O

Formula $C_{14}H_{15}N_3O_4$

M.Wt 289.3

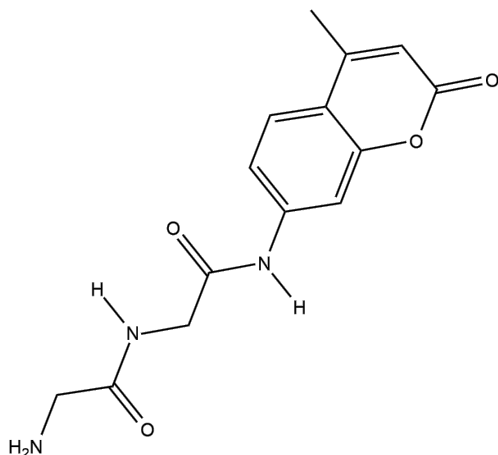
Solubility DMF: 1 mg/ml, DMSO: 20 mg/ml, Ethanol: 1 mg/ml, PBS (pH 7.2): 0.8 mg/ml

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

Gly-Gly-AMC is a fluorogenic peptide substrate. It has been used to assess the activity of bacterial proteases from *P. aeruginosa* and *S. aureus*. Activity can be quantified by fluorescent detection of free AMC (also known as 7-amino-4-methylcoumarin), which is excited at 340-360 nm and emits at

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440-460 nm.

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