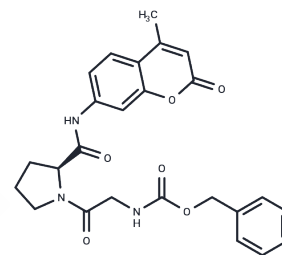


Z-Gly-Pro-AMC

Chemical Properties

CAS No. :	68542-93-8
Formula:	C ₂₅ H ₂₅ N ₃ O ₆
Molecular Weight:	463.48
Storage:	Keep away from direct sunlight, Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Z-Gly-Pro-AMC ($\lambda_{ex}=380$ nm, $\lambda_{em}=465$ nm) is a fluorescent substrate. Upon hydrolysis by prolyl endopeptidase, it generates highly fluorescent 7-amino-4-methylcoumarin.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (215.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1576 mL	10.788 mL	21.5759 mL
5 mM	0.4315 mL	2.1576 mL	4.3152 mL
10 mM	0.2158 mL	1.0788 mL	2.1576 mL
50 mM	0.0432 mL	0.2158 mL	0.4315 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

Bracke A, et, al. The development and validation of a combined kinetic fluorometric activity assay for fibroblast activation protein alpha and prolyl oligopeptidase in plasma. Clin Chim Acta. 2019 Aug;495:154-160.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481