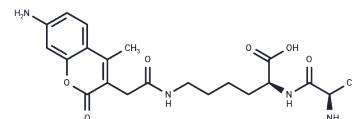


D-Ala-Lys-AMCA

Chemical Properties

CAS No. : 375822-19-8
Formula: C₂₁H₂₈N₄O₆
Molecular Weight: 432.47
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	D-Ala-Lys-AMCA is a known substrate of proton-coupled oligopeptide transporter 1 (PEPT1) that emits blue fluorescence. D-Ala-Lys-AMCA may be transported into Caco-2 cells and liver cancer cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3123 mL	11.5615 mL	23.123 mL
5 mM	0.4625 mL	2.3123 mL	4.6246 mL
10 mM	0.2312 mL	1.1561 mL	2.3123 mL
50 mM	0.0462 mL	0.2312 mL	0.4625 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.

Reference

Gong Y, et al. Specific expression of proton-coupled oligopeptide transporter 1 in primary hepatocarcinoma-anovel strategy for tumor-targeted therapy. Oncol Lett. 2017 Oct;14(4):4158-4166.

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