
Product Data Sheet

Product Name: D-Ala-Lys-AMCA

Cat. No.: GC34896

Chemical Properties

Cas. No. 375822-19-8

SMILES NC1=CC=C(C(C)=C(CC(NCCCC[C@H](NC([C@@H](C)N)=O)C(O)=O)=O)C(O2)=O)C2=C1Formula C₂₁H₂₈N₄O₆ M.Wt 432.47

Solubility Soluble in DMSO Storage Store at -20°C

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**

D-Ala-Lys-AMCA is a known proton-coupled oligopeptide transporter 1 (PEPT1) substrate that emits blue fluorescence. D-Ala-Lys-AMCA may be transported into liver cancer cells and Caco-2 cells based on fluorescence analysis[1].

[1]. 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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
