

Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 05/02/2015
COA Revision Date: 05/02/2018

Product: D-Ala-Lys(AMCA)
Cat. No.: BP0410
Batch No.: 0410BP/03
Chemical Name: D-Ala-(L)-Lys-N-7-amino-4-methylcoumarin-3-acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₈N₄O₆
Batch Molecular Weight: 432.50
CAS No.:
Physical Appearance: Light yellow lyophilised powder
Melting Point:
Solubility: Soluble to 1 mg/ml in water
Storage: Desiccate at -20° C
Batch Molecular Structure:

D-Ala-Lys(AMCA)

Product Description: Fluorescent dipeptide derivative, which could be used as an excellent reporter molecule for studying the oligopeptide transport system in brain cell cultures. See also β-Ala-Lys(AMCA) (Cat. No. BP0352).

References: 1. Dieck et al. (1999) Glia 25:10; 2. Groneberg et al. (2001) Am J Physiol Gastrointest Liver Physiol 281:G697

- CAUTION - Not fully tested. For Research use only. Not for human use. –

Certificate Of Analysis
Quality Control Testing and Research Application

COA Preparation Date: 05/02/2015
 COA Revision Date: 05/02/2018

BP0410 D-Ala-Lys(AMCA)

2. ANALYTICAL DATA

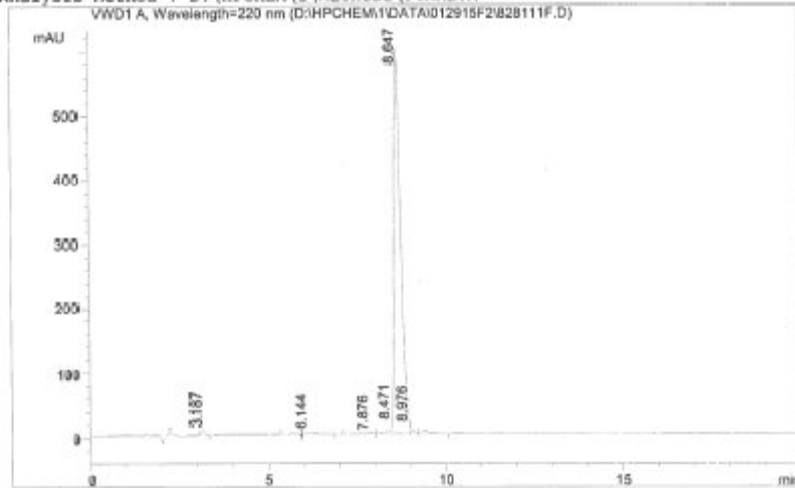
HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Counter Ion: Trifluoroacetate; HPLC Assay: 95.3% (complies).

Data file:D:\HPCHEM\1\DATA\012915F2\828111F.D Sample Name:Final
 Sample ID:828111 Lot#:CM-05-01885
 Mobile Phase:A:0.1%TFA in H2O
 B:0.09%TFA in (80%ACN+20%H2O)
 Flow:1.0mL/min 16.0%-26.0% B buffer in 20min
 Column:Phenomenex C18(2) 5u 100A 4.6*150mm 304#

=====>
 Injection Date : 1/28/2015 Location : Vial 1
 Sample Name : Final Inj. Vol. : 5 µl
 Acq Operator : ZXX
 Acq. Method : Final.M
 Analysis Method : D:\HPCHEM\1\METHODS\FINAL.M



Signal 1: VWD1 A, Wavelength=220 nm

Peak #	RT [min]	Type	Height	Width [min]	Area	Area %
1	3.187	BP	7.999	0.109	50.465	0.621
2	5.711	VV	2.222	0.177	26.034	0.321
3	6.144	VV	3.308	0.231	54.074	0.666
4	7.876	VV	0.966	0.287	19.899	0.245
5	8.471	VV	17.839	0.082	87.317	1.075
6	8.647	VP	594.089	0.204	7741.821	95.324
7	8.976	VV	14.715	0.074	65.445	0.806
8	9.386	VP	4.710	0.236	76.534	0.942

*** End of Report ***

- CAUTION - Not fully tested. For Research use only. Not for human use. -