

## Analytical Data

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**Code:** 3104-v

**Compound:** Boc-Val-Leu-Lys-MCA

(M. W. 615.76)  $C_{32}H_{49}N_5O_7$

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**Appearance** : White amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{23}$  -88.6 ° (c\* 0.4, 50% AcOH)

\* c value was calculated from the net peptide weight.

**\* Elemental Analysis**

Found C, 58.44 ; H, 8.08 ; N, 9.80 %

**\* Amino Acid Analysis**

Acid Hydrolysis: concHCl:AcOH=1:1, 110°C, 22h.

Val (1)0.97 Leu (1)0.98 Lys (1)1.00

**Thin Layer Chromatography** : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100  $\mu$ g

Solvent System : n-BuOH:AcOH:H<sub>2</sub>O=4:1:1

CHCl<sub>3</sub>:MeOH:AcOH=85:15:5

Located by ninhydrin reagent

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Sample : 3104-v Boc-Val-Leu-Lys-MCA  
Sample Size : 1.0  $\mu$ L ( 1.11 mg/ 555  $\mu$ L- MeOH )  
Column : YMC Pack ODS-A (4.6 mm I.D.  $\times$  150mm) #0415227556(W) + G(4 $\times$ 10mm)  
Eluent : 10 mM K-Pi (pH 2.6) + 50 mM Na2SO4  
Gradient : Acetonitrile 20% to 60% [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 114 kg/cm2 , ; Temp. : 25 $^{\circ}$ C  
Detection : CH.1 210 nm

