

Analytical Data

Code: 3027

Compound: Leu-NH₂·HCl

(M. W. 130.19·36.46) C₆H₁₄N₂O·HCl

Appearance : White crystalline powder

Melting Point : 248 ~ 251 °C (dec.)

Specific Optical Rotation

$[\alpha]_D^{21}$ +10.3 ° (c 1.06, H₂O)

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H₂O:pyridine=15:3:12:10

n-BuOH:AcOH:H₂O=4:1:5 (upper phase)

Located by ninhydrin reagent

Sample : 3027 Leu-NH₂·HCl
Sample Size : 25 μ L (2.06 mg/ 103 μ L- H₂O)
Column : YMC Pack ODS-A (4.6 mmI.D. \times 150 mm) #0415227556(W) + G(4 \times 10mm)
Eluent : 10 mM K-Pi(pH 2.6) + 50 mM Na₂SO₄
Gradient : Acetonitrile 0% to 15% [25 min.] \rightarrow 60% [2 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 100 kg/cm² , ; Temp. : 25 $^{\circ}$ C
Detection : CH.1 210 nm

