

Analytical Data

Code: 4397

Compound: Pepstatin A
Isovaleryl-L-Val-L-Val-AHMHA-L-Ala-AHMHA
(M. W. 685.89) C₃₄H₆₃N₅O₉

Appearance : White powder

Specific Optical Rotation

$[\alpha]_D^{20}$ -93.3 ° (c 1.0, MeOH/AcOH[4:1])

Elemental Analysis

C, 59.58 ; H, 9.33 ; N, 10.19 %

IR IR spectrum conforms to reference spectrum

Purity(HPLC) : 95.9 %

Thin Layer Chromatography : Single spot

Silica Gel Layer

Application : 50 μg

Solvent System : CHCl₃:MeOH:AcOH =85:15:5

Located by iodine and HBr/ninhydrin reagent

Sample : 4397 Pepstatin
Sample Size : 10 μ L (0.63 mg/ 630 μ L- MeOH : AcOH[4:1])
Column : XBridge C18 3.5 μ m (4.6 mm I.D. \times 150 mm) #01663415523834
Eluent : 0.05% TFA
Gradient : Acetonitrile 30% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 20 MPa , ; Temp. : 30°C
Detection : CH.1 210 nm

