株式会社ペプチド研究所
〒567-0085 大阪府茨木市彩都あさぎ 7 丁目 2 番 9 号
Phone (072)643-4411 Fax (072)643-4422
PEPTIDE INSTITUTE, INC.
7-2-9 SAITO-ASAGI, IBARAKI-SHI, OSAKA 567-0085, JAPAN
Phone 81-72-643-4411 Fax 81-72-643-4422

Analytical Data

Code: **3064**

Compound: Bz-Gly-His-Leu

(M.W. 429.47) $C_{21}H_{27}N_5O_5$

Appearance : Colorless crystalline powder

Melting Point : 135 ～ 155 ℃ (dec.)

Specific Optical Rotation

$[\alpha]_D^{20}$ -44.3 ° (c* 0.66 , 1N HCl)

Elemental Analysis

Found C, 54.27 ; H, 6.80 ; N, 14.80 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60(Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H_2O=4:1:5(upper phase)

n-BuOH:pyridine:H_2O=4:1:1

Located by HBr/ninhydrin and Pauly reagent

Sample : 3064 Bz-Gly-His-Leu
Sample Size : 0.4 μL(1.01 mg/ 101 μL-MeOH)
Column : YMC Pack ODS-A (4.6 mm I.D. × 150 mm) #0415227557 + G(4 × 10 mm)
Eluent : 10 mM K-Pi(pH 2.6) + 50 mM Na2SO4
Gradient : Acetonitrile 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ;Press. : 105 kg/cm2 , ;Temp. : 25℃
Detection : CH. 1 210 nm