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Product Specifications

Catalogue Number 06555

Product **Z-Phe-Trp-OH**

CAS Number 16856-28-3

Molecular Formula C₂₈H₂₇N₃O₅

Molecular Weight 485.54

Appearance White powder

Appearance of Solution Clear, colorless solution (50 mg/mL in Methanol)

Melting Point 165 - 167 °C

Elemental Analysis (Theory) C = 69.0 ± 0.5%, H = 6.24 ± 0.5%, N = 7.97 ± 0.5%

Water Content (Karl Fisher) ≤ 1%

TLC System Benzene/Dioxane/Acetic acid (95/25/4)
Chloroform/Ethyl acetate/Acetic acid (50/50/2)
Chloroform/Methanol/Acetic acid (90/8/2)
Plate : Silicagel 60 F₂₅₄
Detected by : UV, Ninhydrin, Chlorine-tolidine

Optical Rotation [α]²⁴_D = -1 to -2 ° (C=1 in MeOH)

Residual Solvents Diisopropylether : ≤ 8%

Purity by TLC ≥ 99%

Storage Store at 0 - 8 °C

For Laboratory Use Only