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Product Specifications

Catalogue Number 05877

Product *N^γ*-4-Methyltrityl-L-asparagine

L-Asn(Mtt)-OH

CAS Number 144317-20-4

Molecular Formula C₂₄H₂₄N₂O₃

Molecular Weight 388.49

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in Methanol)

TLC System Chloroform/Methanol/Toluene/H₂O (8:8:8:1)
Ethyl acetate/Pyridine/Acetic acid/H₂O (60:20:6:11)
Chloroform/Methanol/Acetic acid/H₂O (70:42:0.5:10)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, TMB

Optical Rotation [α]_D²⁴ = -21.5 ± 2° (C=1 in MeOH)

Assay ≥ 99% (Elemental analysis based on Nitrogen content)

Purity by TLC ≥ 98%

Storage Store at 0-8 °C

For Laboratory Use Only