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Product Specifications

Catalogue Number 08247

Product

Ala-Ala-OMe•HCl

L-Alanyl-L-alanine methyl ester hydrochloride

CAS Number 41036-19-5

Molecular Formula C₇H₁₄N₂O₃·HCl

Molecular Weight 210.66

Warnings Hygroscopic

Appearance White powder

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

Anion Chloride (Cl⁻): ≤ 16.3 ± 0.5%

Water Content (Karl Fisher) < 2%

TLC System n-Butanol/Acetic acid/Water (4:2:2)
Chloroform/Methanol/Acetic acid 32% (5:3:1)
Ethylacetate/Pyridine/Acetic acid/Water (60:60:12:36)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, Chlorine-Tolidine

Assay ≥ 95% (Elemental analysis based on Nitrogen content)

Purity by TLC ≥ 99%

ESI-MS M = 174.2u ± 1 (average mass)

Storage Store at 0-8°C

For Laboratory Use Only