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Product Specifications

Catalogue Number 14923

Product β -Ala-pNA•HBr

CAS Number 111196-17-9

Molecular Formula C₉H₁₁N₃O₃•HBr

Molecular Weight 290.12

Appearance Slightly yellow crystalline powder

Solubility Clear, slightly yellow solution (50mg/mL in 80% MeOH)

Melting Point 202-206° C

Elemental Analysis (Theory) C: 59.50 ± 1%, H: 6.50 ± 1%, N: 12.50 ± 1%

Water Content (Karl Fisher) ≤ 1%

TLC System Chloroform/methanol/acetic acid 32% 5/3/1
Chloroform/methanol/acetic acid/water: 70/42/0.5/10
Acetonitrile/water 7/3
Ethylacetate/pyridine/acetic acid/water 8/5/1/3
Plate: silicagel 60 F₂₅₄
detected by: UV, ninhydrin, chlorine-tolidine

Assay ≥ 72%

Purity by TLC ≥ 99%

Storage Store at RT

Additional Information Bromide: <28% (AgNO₃)

For Laboratory Use Only