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Product Specifications

Catalogue Number	00322
Product	Suc-Ala-Ala-Ala-pNA Succinyl-L-alanine-L-alanine-L-alanine 4-nitroanilide
CAS Number	52299-14-6
Molecular Formula	C ₁₉ H ₂₅ N ₅ O ₈
Molecular Weight	451.44
Appearance	Slightly yellowish powder
Appearance of Solution	Clear slightly yellow solution (50 mg/mL in DMF)
Elemental Analysis (Theory)	C = 50.55%; H = 5.58%; N = 15.51%
Elemental Analysis (Found)	C = 50.87 ± 0.5%; H = 5.55 ± 0.5%; N = 15.55 ± 0.5%
TLC System	Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Chloroform/Methanol/Acetic acid(98-100%)/H ₂ O (45:13:1:2) Acetonitrile/H ₂ O (1:1) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Related Substances	≤ 0.1% pNA
Assay	≥ 99% (Elemental analysis based on Nitrogen content)
Purity by TLC	≥ 99%
Storage	Store at ≤ -4 °C

For Laboratory Use Only