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Certificate of Analysis

Catalogue Number 03260
Lot Number 000127-1024261
Product *N*^α-Acetyl-L-ornithine

Ac-L-Orn-OH

CAS Number 6205-08-9
Molecular Formula C₇H₁₄N₂O₃

Molecular Weight 174.2

Appearance White powder
Solubility Clear, colorless solution (50 mg/mL in 50% methanol)
Elemental Analysis (Theory) C=48.3%, H=8.1%, N=16.1%
Elemental Analysis (Found) C=48.3%, H=7.7%, N=16.1%
Water Content (Karl Fisher) 0.2%
TLC System n-butanol/acetic acid/H₂O 4/2/2
Methanol/chloroform/ammonia 17% 2/2/1
Isopropanol/ammonia conc. 1/1
plate: silicagel 60 F₂₅₄
detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation [α]_D²⁴ = - 11.2° (C=3%, in 5N HCl)
Assay 99.8% (Nth 16.08%, Nfd 16.05%)
Purity by TLC > 99.0%
Storage Store at 0-8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager