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Product Specifications

Catalogue Number 06001
Product ***O*-Acetyl-D-serine hydrochloride**

D-Ser(Ac)-OH•HCl

CAS Number 201212-79-5 (net)

Molecular Formula C₅H₉NO₄•HCl

Molecular Weight 183.64

Solubility Clear and colorless solution (50mg/mL in 80% Acetic acid)

Melting Point 154-162 °C

Elemental Analysis (Theory) C = 40.8%; H = 6.2%; N = 9.5%

Elemental Analysis (Found) C = 40.8 ± 0.5%; H = 6.2 ± 0.5%; N = 9.5 ± 0.5%

Water Content (Karl Fisher) ≤ 0.5%

TLC System Chloroform/Methanol/Acetic acid 32% (5:3:1)
Butanol/Acetic acid/H₂O (4:2:2)
Plate: silicagel 60 F₂₅₄
Detected by: Ninhydrin, TMB

Optical Rotation [α]_D²⁴ = -17 ± 2° (C=2 in 0.1 N HCl)

Purity by TLC ≥ 98%

Storage Store at 0-8°C

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For Laboratory Use Only