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Product Specifications

Catalogue Number 10092

Product **Tosyl-D-proline**

Tos-D-Pro-OH

CAS Number 110771-95-4

Molecular Formula C₁₂H₁₅NO₄S

Molecular Weight 269.32

Appearance White powder

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

Melting Point 55-60 °C

Water Content (Karl Fisher) ≤ 7%

TLC System Chloroform/Methanol/Toluene/Water (8:8:8:1)
Chloroform/Methanol/Acetic acid (85:10:5)
Toluene/Dioxane/Acetic acid (95:25:4)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, Ninhydrin, chlorine-tolidine, ammonium molybdate

Optical Rotation [α]_D²⁴ = +152 ± 2° (C=2.3% in H₂O and 2 aquimolar NaOH)

Purity by TLC ≥ 98%

Storage Store at 0-8 °C

For Laboratory Use Only