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Product Specifications

Catalogue Number 03292
Product **L- α -Aminosuberic acid**

L-Asu-OH

L-2-Aminooctanedioic acid

CAS Number 4254-88-0

Molecular Formula C₈H₁₅NO₄

Molecular Weight 189.21

Appearance White powder

Appearance of Solution Clear, colorless solution (10mg/ml in 50% formic acid)

Water Content (Karl Fisher) $\leq 1\%$

TLC System Ethyl acetate/Pyridine/Acetic Acid/H₂O (60:60:12:36)
Chloroform/Methanol/Acetic Acid/H₂O (60:45:14:6)
n-Butanol/Acetic acid/H₂O (4:2:2)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine, TMD

Optical Rotation $[\alpha]_D^{24} = +19 \pm 2^\circ$ (C=2 in 5N HCl)

Related Substances < 0.2% Ac-D-Asn-OH

Assay $\geq 99\%$ (Elemental analysis based on Carbon content)

Purity by TLC $\geq 99\%$

Chiral Purity < 0.1% D-Enantiomer

Storage Store at RT

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For Laboratory Use Only