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Product Specifications

Catalogue Number 31908

Product **Muramic acid**

2-Amino-3-O-(1-carboxyethyl)-2-deoxy-D-glucose

CAS Number 1114-41-6

Molecular Formula C₉H₁₇NO₇

Molecular Weight 251.23

Appearance White to off-white solid

Solubility Easily soluble in water
Clear and colorless solution

Water Content (Karl Fisher) ≤ 15%

Optical Rotation $[\alpha]_D^{22} = 95 - 117^\circ$ (C=1.86g/100ml in H₂O)

Analysis by Mass Spectra Conforms to standard

Residual Solvents ≤ 5%

¹H NMR Conforms to structure

Purity ≥ 97%

Storage Store at ≤ -20 °C

For Laboratory Use Only