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Product Specifications

Catalogue Number	07066
Product	(2S,4R)-γ-Hydroxy-L-glutamic acid (2S,4R)- γ -Hydroxy-L-Glu-OH H-(2S,4R)-Glu(γ -OH)-OH
CAS Number	2485-33-8
Molecular Formula	C ₅ H ₉ NO ₅
Molecular Weight	163.1
Appearance	White product
Solubility	Clear, colorless solution (10 mg/mL in Water)
Melting Point	169-173 °C
Water Content (Karl Fisher)	≤ 2%
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2) Isopropanol/Ammonia conc. (1:1) Methanol/Chloroform/Ammonia 17% (2:2:1) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -12 ± 2° (C=2 in Water)
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C
Additional Information	Enantiomer content: 2S, 4S-Isomer (GC): ≤ 2%

For Laboratory Use Only