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Product Specifications

Catalogue Number	41398
Product	D-(-)-Pantolactone (<i>R</i>)-(-)-Pantolactone (<i>R</i>)-(-)- β,β -Dimethyl- α -hydroxy- γ -butyrolactone
CAS Number	599-04-2
Molecular Formula	C ₆ H ₁₀ O ₃
Molecular Weight	130.14

Synonym 3	(<i>R</i>)-(-)-Pantolactone
Synonym 4	Pantoic acid γ -lactone
Appearance	White solid
Melting Point	91 °C (Lit.)
Boiling point	120 - 122 °C / 15 mmHg (Lit.)
Optical Rotation	$[\alpha]^{20}_D = -51 \pm 2^\circ$ (C=2 in H ₂ O)
Infrared Spectrum	Conforms to structure
Assay by titration	$\geq 95\%$
Purity by GC	$\geq 98.5\%$
Storage	Store at 2 - 8 °C

For Laboratory Use Only