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Product Specifications

Catalogue Number	41397
Product	(S)-(+)-Pantolactone (S)-(+)- α -Hydroxy- β,β -dimethyl- γ -butyrolactone (S)-(+)- β,β -Dimethyl- α -hydroxy- γ -butyrolactone
CAS Number	5405-40-3
Molecular Formula	C ₆ H ₁₀ O ₃
Molecular Weight	130.14
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Synonym 3	(S)-Dihydro-3-hydroxy-4,4-dimethyl-2(3H)-furanone
Synonym 4	L-Pantolactone
Appearance	Powder or crystals
Melting Point	89 - 93 °C
Boiling point	120 - 122 °C / 15 mmHg (Lit.)
Optical Rotation	$[\alpha]_D^{20} = 45 - 55^\circ$ (C = 0.5 in H ₂ O)
¹H NMR	Conforms to structure
Purity by GC	≥ 96.5%
Storage	Store at 2 - 8 °C

For Laboratory Use Only