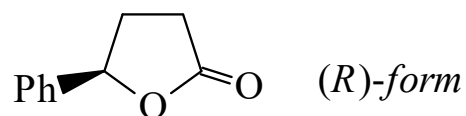




>>Entry Name: Dihydro-5-phenyl-2(3*H*)-furanone, 9CI

Synonym(s): 4-Phenylbutanolide. γ -Phenylbutyrolactone



CAS Registry Number: 1008-76-0

Related CAS Registry Numbers(s): 69814-97-7

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Aldrich: 17645-1

>>Variant: (R)-form

CAS Registry Number: 111138-03-5

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Boiling Point: Bp_{0.1} 99-105°

Optical Rotation: $[\alpha]_D^{25} +35.5$ (c, 2.52 in CHCl₃)

>>Variant: (S)-form

CAS Registry Number: 111138-02-4

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Physical Description: Solid

Melting Point: Mp 35-36°

Boiling Point: Bp₂ 200°

Optical Rotation: $[\alpha]_D -32.5$ (c, 4.3 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 69814-97-7

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Physical Description: Solid

Melting Point: Mp 38°

Boiling Point: Bp₁₁ 171-172°. Bp_{0.6} 115°

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