



>>Derivative: Mono-Et ether

Synonym(s): 2-Ethoxy-1,2-diphenylethanol

Molecular Formula: C₁₆H₁₈O₂

Molecular Weight: 242.317

Accurate Mass: 242.13068

Percentage Composition: C 79.31%; H 7.49%; O 13.21%

Physical Description: Needles

Melting Point: Mp 45-50°

Optical Rotation: [α]_D -34.6 (EtOH)

>>Derivative: Benzylidene

Molecular Formula: C₂₁H₁₈O₂

Molecular Weight: 302.372

Accurate Mass: 302.13068

Percentage Composition: C 83.42%; H 6.00%; O 10.58%

Physical Description: Needles (EtOH)

Melting Point: Mp 70.5°

Optical Rotation: [α]_D -27.6 (EtOH)

>>Variant: (1*RS*,2*RS*)-form

Synonym(s): (±)-form. Isohydrobenzoin

CAS Registry Number: 655-48-1

Molecular Formula: C₁₄H₁₄O₂

Molecular Weight: 214.263

Accurate Mass: 214.09938

Percentage Composition: C 78.48%; H 6.59%; O 14.93%

Physical Description: Cryst.

Melting Point: Mp 122-123°

Other Data: Cryst. as conglomerate which is resolvable by crystal picking

Sigma: H1516

>>Derivative: Benzylidene

Physical Description: Cryst.

Melting Point: Mp 84°

>>Derivative: Mono-Me ether

Synonym(s): 2-Methoxy-1,2-diphenylethanol

CAS Registry Number: 50778-88-6

Extra CAS Registry Numbers(s): 6941-71-5

Molecular Formula: C₁₅H₁₆O₂

Molecular Weight: 228.29

Accurate Mass: 228.11503

Percentage Composition: C 78.92%; H 7.06%; O 14.02%

Physical Description: Cryst.

Melting Point: Mp 53-54°

>>Variant: (1*RS*,2*SR*)-form

Synonym(s): *meso*-form

CAS Registry Number: 579-43-1

Molecular Formula: C₁₄H₁₄O₂

Molecular Weight: 214.263

Accurate Mass: 214.09938

Percentage Composition: C 78.48%; H 6.59%; O 14.93%

Physical Description: Plates (EtOH)

Melting Point: Mp 138°

Aldrich: 29453-5

Sigma: H3764