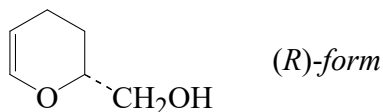




>>Entry Name: 3,4-Dihydro-2*H*-pyran-2-methanol, 9CI

Synonym(s): 3,4-Dihydro-2-hydroxymethyl-2*H*-pyran



CAS Registry Number: 3749-36-8

Related CAS Registry Numbers(s): 22347-71-3 78184-24-4

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

>>Variant: (*R*)-form

CAS Registry Number: 68691-34-9

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Physical Description: Oil

Boiling Point: Bp₅₀ 101°

Optical Rotation: [α]_D²⁵ −53.7 (CHCl₃) (80% ee). [α]_D²⁸ −31.2 (C₆H₆)

>>Variant: (*S*)-form

CAS Registry Number: 67666-30-2

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Physical Description: Oil

Optical Rotation: [α]_D²⁵ +65.7 (c, 0.25 in CHCl₃) (>99% ee). [α]_D²⁵ +77 (CHCl₃)

>>Derivative: Ac

CAS Registry Number: 81801-32-3

Molecular Formula: C₈H₁₂O₃

Molecular Weight: 156.181

Accurate Mass: 156.078645

Percentage Composition: C 61.52%; H 7.74%; O 30.73%

Physical Description: Oil

Optical Rotation: [α]_D²⁵ +56.1 (c, 1.7 in CHCl₃) (90% ee)

>>Variant: (±)-form

CAS Registry Number: 75828-98-7

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Physical Description: Oil

Boiling Point: Bp₄₇ 100-103°. Bp₂₅ 92-93°

Refractive Index: n_D²⁵ 1.4757

>>Derivative: Ac

CAS Registry Number: 52430-02-1

Molecular Formula: C₈H₁₂O₃

Molecular Weight: 156.181

Accurate Mass: 156.078645

Percentage Composition: C 61.52%; H 7.74%; O 30.73%

Physical Description: Oil

Boiling Point: Bp₁₄ 101-104°

Refractive Index: n_D²⁵ 1.4578