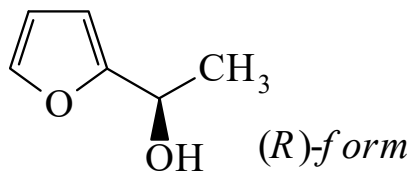




>>Entry Name: 1-(2-Furanyl)ethanol

Synonym(s): α -Methyl-2-furanmethanol, 9CI. Methyl-2-furylcarbinol. α -Methylfurfuryl alcohol, 8CI. 2-(1-Hydroxyethyl)furan



CAS Registry Number: 4208-64-4

Related CAS Registry Numbers(s): 112653-32-4

Molecular Formula: $\text{C}_6\text{H}_8\text{O}_2$

Molecular Weight: 112.128

Accurate Mass: 112.05243

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Fluka: 48190

Rare Chemicals Library: S13397-3

>>Variant: (R)-form

CAS Registry Number: 27948-61-4

Molecular Formula: $\text{C}_6\text{H}_8\text{O}_2$

Molecular Weight: 112.128

Accurate Mass: 112.05243

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Boiling Point: Bp_{15} 70°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +19.09$ (c, 1.10 in CHCl_3) (94% ee)

Refractive Index: n_{D}^{15} 1.4828

Fluka: 48186

>>Derivative: Ac

CAS Registry Number: 113471-32-2

Molecular Formula: $\text{C}_8\text{H}_{10}\text{O}_3$

Molecular Weight: 154.165

Accurate Mass: 154.062995

Percentage Composition: C 62.33%; H 6.54%; O 31.13%

Boiling Point: Bp_{11} 77°

Refractive Index: n_{D}^{16} 1.4616

>>Variant: (S)-form

CAS Registry Number: 112653-32-4

Molecular Formula: $\text{C}_6\text{H}_8\text{O}_2$

Molecular Weight: 112.128

Accurate Mass: 112.05243

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Boiling Point: Bp_{15} 70°

Optical Rotation: $[\alpha]_{\text{D}}^{28} -22$ (c, 0.506 in CHCl_3) (> 98%ee)

Refractive Index: n_{D}^{15} 1.4827

>>Variant: ($\pm$)-form

CAS Registry Number: 106565-48-4

Molecular Formula: $\text{C}_6\text{H}_8\text{O}_2$

Molecular Weight: 112.128

Accurate Mass: 112.05243

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Physical Description: Oil

Boiling Point: Bp 162-163°. Bp_{26} 90-95°

Density: d_{25}^{25} 1.077

Refractive Index: n_{D}^{15} 1.4827

>>Derivative: Ac

Boiling Point: Bp_{760} 177°. Bp_{18} 85°

Refractive Index: n_{D}^{25} 1.4618