



Accurate Mass: 136.088815
Percentage Composition: C 79.37%; H 8.88%; O 11.75%
Physical Description: Oil
Boiling Point: Bp₄₇ 88°
Optical Rotation: $[\alpha]_{\text{D}}^{25} +120.2$ (neat)

>>Derivative: Et ether

Synonym(s): (1-Ethoxyethyl)benzene, 9Cl. 1-Ethoxy-1-phenylethane

CAS Registry Number: 61587-06-2
Molecular Formula: C₁₀H₁₄O
Molecular Weight: 150.22
Accurate Mass: 150.104465
Percentage Composition: C 79.96%; H 9.39%; O 10.65%
Physical Description: Oil
Boiling Point: Bp₃₁ 89°. Bp₁₅ 72°

>>Variant: (S)-form

CAS Registry Number: 1445-91-6
Molecular Formula: C₈H₁₀O
Molecular Weight: 122.166
Accurate Mass: 122.073165
Percentage Composition: C 78.65%; H 8.25%; O 13.10%
Physical Description: Oil
Boiling Point: Bp₁₇ 97-98°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -41.6$ (c, 0.75 in MeOH) (91% op). $[\alpha]_{\text{D}}^{26} -38.1$ (neat) (94.3% ee)
Refractive Index: n_D²⁰ 1.5270
Aldrich: 23743-4
Fluka: 77849
Sigma: P4402

>>Derivative: Benzoyl

CAS Registry Number: 57473-79-7
Molecular Formula: C₁₅H₁₄O₂
Molecular Weight: 226.274
Percentage Composition: C 79.62%; H 6.24%; O 14.14%
Physical Description: Oil
Optical Rotation: $[\alpha]_{\text{D}}^{25} +21.9$ (c, 2.78 in EtOH)

>>Derivative: Me ether

CAS Registry Number: 2511-06-0
Molecular Formula: C₉H₁₂O
Molecular Weight: 136.193
Percentage Composition: C 79.37%; H 8.88%; O 11.75%
Physical Description: Oil
Boiling Point: Bp₁₆ 68°
Optical Rotation: $[\alpha]_{\text{D}}^{25} -117.3$ (c, 0.8 in MeCN). $[\alpha]_{\text{D}}^{26} -114$ (neat)

>>Derivative: Butyl ether

Synonym(s): (1-Butoxyethyl)benzene, 9Cl

CAS Registry Number: 92543-27-6
Molecular Formula: C₁₂H₁₈O
Molecular Weight: 178.274
Accurate Mass: 178.135765
Percentage Composition: C 80.85%; H 10.18%; O 8.97%
Physical Description: Oil
Boiling Point: Bp₂₁ 100°
Optical Rotation: $[\alpha]_{\text{D}}^{25} -94$ (EtOH) (100% op)