



>>Derivative: 1,1,2,2-Tetrafluoroethyl ether

CAS Registry Number: 85567-21-1

Molecular Formula: C₅H₆F₄O₂

Molecular Weight: 174.095

Accurate Mass: 174.030392

Percentage Composition: C 34.50%; H 3.47%; F 43.65%; O 18.38%

Boiling Point: Bp 143-145°

>>Derivative: 2-Methylphenyl ether

Extra CAS Registry Numbers(s): 2210-79-9

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Physical Description: Liq.

Boiling Point: Bp_{0.5} 93°

Density: d 1.08

Refractive Index: n_D²⁰ 1.5290

>>Derivative: 4-Methylphenyl ether

Extra CAS Registry Numbers(s): 2186-24-5

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Boiling Point: Bp 261°. Bp_{0.07} 75°

Density: d²⁰ 1.08

Refractive Index: n_D²⁰ 1.5270

>>Derivative: 4-Chlorophenyl ether

CAS Registry Number: 108615-54-9

Extra CAS Registry Numbers(s): 2212-05-7

Molecular Formula: C₉H₉ClO₂

Molecular Weight: 184.622

Accurate Mass: 184.029107

Percentage Composition: C 58.55%; H 4.91%; Cl 19.20%; O 17.33%

Physical Description: Cryst. (petrol)

Melting Point: Mp 32°

Boiling Point: Bp₁₂ 148-149°

Refractive Index: n_D²⁰ 1.5450

>>Derivative: 4-Nitrophenyl ether

CAS Registry Number: 125228-75-3

Extra CAS Registry Numbers(s): 5255-75-4 125279-81-4 125279-82-5

Molecular Formula: C₉H₉NO₄

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Use/Importance: Synthetic intermed.

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 73°

Boiling Point: Bp₁₅ 250-255°. Bp_{0.5} 121-123°