



CAS Registry Number: 1559-07-5
Molecular Formula: C₈H₉F₇O₂
Molecular Weight: 270.147
Accurate Mass: 270.049076
Percentage Composition: C 35.57%; H 3.36%; F 49.23%; O 11.84%
Physical Description: Liq.
Boiling Point: Bp 132.5°

>>Derivative: Fluoride

CAS Registry Number: 335-42-2
Molecular Formula: C₄F₈O
Molecular Weight: 216.031
Accurate Mass: 215.982139
Percentage Composition: C 22.24%; F 70.35%; O 7.41%
Boiling Point: Bp₇₄₁ 7-7.5°

>>Derivative: Chloride

CAS Registry Number: 375-16-6
Molecular Formula: C₄ClF₇O
Molecular Weight: 232.485
Accurate Mass: 231.952588
Percentage Composition: C 20.67%; Cl 15.25%; F 57.20%; O 6.88%
Boiling Point: Bp₇₄₀ 38-39°
Density: d₄²⁵ 1.56
Refractive Index: n_D²⁰ 1.2880
Aldrich: 25792-3
Fluka: 77254

>>Derivative: Bromide

Molecular Formula: C₄BrF₇O
Molecular Weight: 276.936
Accurate Mass: 275.922072
Percentage Composition: C 17.35%; Br 28.85%; F 48.02%; O 5.78%
Boiling Point: Bp₇₃₆ 53°

>>Derivative: Iodide

Molecular Formula: C₄F₇IO
Molecular Weight: 323.937
Accurate Mass: 323.888209
Percentage Composition: C 14.83%; F 41.05%; I 39.18%; O 4.94%
Boiling Point: Bp 75-76°

>>Derivative: Anhydride

CAS Registry Number: 336-59-4

Molecular Formula: C₈F₁₄O₃
Molecular Weight: 410.064
Accurate Mass: 409.962387
Percentage Composition: C 23.43%; F 64.86%; O 11.71%
Use/Importance: Anal. derivatisation reagent for alcohols, phenols, amines, amino acids, etc.
Physical Description: Liq.
Melting Point: Mp -43°
Boiling Point: Bp 108-108.5°
Density: d₄²⁵ 1.65
Refractive Index: n_D²⁰ 1.2850
Aldrich: 39491-2
Fluka: 77253
Sigma: H1149
Supelco: R40-4040