



>>Entry Name: 2,3,3,3-Tetrafluoropropanoic acid, 9Cl, 8Cl

CAS Registry Number: 359-49-9
F₃CCHF₃COOH

Molecular Formula: C₃H₂F₄O₂
Molecular Weight: 146.041
Accurate Mass: 145.999092
Percentage Composition: C 24.67%; H 1.38%; F 52.04%; O 21.91%

>>Variant: (±)-form

Molecular Formula: C₃H₂F₄O₂
Molecular Weight: 146.041
Accurate Mass: 145.999092
Percentage Composition: C 24.67%; H 1.38%; F 52.04%; O 21.91%
Melting Point: Mp 28.2-29.2°
Boiling Point: Bp₁₇ 55°

>>Derivative: Me ester

CAS Registry Number: 382-93-4
Molecular Formula: C₄H₄F₄O₂
Molecular Weight: 160.068
Accurate Mass: 160.014742
Percentage Composition: C 30.01%; H 2.52%; F 47.48%; O 19.99%
Boiling Point: Bp 95°
Density: d₄²⁶ 1.353
Refractive Index: n_D²⁰ 1.3192

>>Derivative: Et ester

CAS Registry Number: 399-92-8
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 108-109°
Density: d₄²⁶ 1.289
Refractive Index: n_D²⁰ 1.3260

>>Derivative: Chloride

CAS Registry Number: 1186-54-5
Molecular Formula: C₃HCIF₄O
Molecular Weight: 164.487
Accurate Mass: 163.965204
Percentage Composition: C 21.91%; H 0.61%; Cl 21.55%; F 46.20%; O 9.73%
Boiling Point: Bp 48-49°

>>Derivative: Amide

CAS Registry Number: 1647-57-0
Molecular Formula: C₃H₂F₄NO
Molecular Weight: 144.049
Accurate Mass: 144.007251
Percentage Composition: C 25.01%; H 1.40%; F 52.76%; N 9.72%; O 11.11%
Melting Point: Mp 58-59°

>>Derivative: Nitrile

Synonym(s): 2-Cyano-1,1,1,2-tetrafluoroethane

CAS Registry Number: 431-32-3
Molecular Formula: C₃HF₄N
Molecular Weight: 127.041
Accurate Mass: 127.004511
Percentage Composition: C 28.36%; H 0.79%; F 59.82%; N 11.03%
Boiling Point: Bp 41.5-42.5°