



>>Entry Name: Dibromofluoroacetic acid, 9CI

Br₂CFCOOH

Molecular Formula: C₂HBr₂FO₂

Molecular Weight: 235.835

Accurate Mass: 233.87273

Percentage Composition: C 10.19%; H 0.43%; Br 67.76%; F 8.06%; O 13.57%

Physical Description: Hygroscopic cryst.

Melting Point: Mp 40-41° (26.5°)

Boiling Point: Bp 198°. Bp₆₀ 130°

>>Derivative: Me ester

CAS Registry Number: 70938-25-9

Molecular Formula: C₃H₃Br₂FO₂

Molecular Weight: 249.862

Accurate Mass: 247.88838

Percentage Composition: C 14.42%; H 1.21%; Br 63.96%; F 7.60%; O 12.81%

Physical Description: Liq.

Boiling Point: Bp₇₁ 83°

>>Derivative: Et ester

CAS Registry Number: 565-53-7

Molecular Formula: C₄H₅Br₂FO₂

Molecular Weight: 263.889

Accurate Mass: 261.90403

Percentage Composition: C 18.21%; H 1.91%; Br 60.56%; F 7.20%; O 12.13%

Physical Description: Liq.

Boiling Point: Bp 171-173°. Bp₁₀ 66-67°

Density: d₄²⁵ 1.886

Refractive Index: n_D²⁰ 1.4630

References:

Swarts, F., *Ber.*, 1918, **51**, 672, (*synth*)

Cohn, H. *et al.*, *Isr. J. Chem.*, 1965, **2**, 355, (*synth*)

Campbell, R.W. *et al.*, *Monatsh. Chem.*, 1979, **110**, 453, (*synth*, *Me ester*)