



>>Entry Name: 3-Fluorobenzaldehyde

CAS Registry Number: 456-48-4

Structure by analogy with 2-Fluorobenzaldehyde, [DTM39-H](#)

Molecular Formula: C₇H₅FO

Molecular Weight: 124.114

Accurate Mass: 124.032443

Percentage Composition: C 67.74%; H 4.06%; F 15.31%; O 12.89%

Physical Description: Oil

Boiling Point: Bp 173°. Bp₂₆ 76°

Density: d₄²⁰ 1.72

Aldrich: F500-5

Fluka: 46560

Sigma: F8750

>>Derivative: Oxime

CAS Registry Number: 458-02-6

Molecular Formula: C₇H₆FNO

Molecular Weight: 139.129

Accurate Mass: 139.043342

Percentage Composition: C 60.43%; H 4.35%; F 13.66%; N 10.07%; O 11.50%

Physical Description: Plates (petrol)

Melting Point: Mp 63°

Rare Chemicals Library: S55055-8

>>Derivative: Phenylhydrazone

CAS Registry Number: 351-24-6

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 114°

>>Derivative: 4-Nitrophenylhydrazone

Physical Description: Orange needles (AcOH aq.)

Melting Point: Mp 202°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 266°

>>Derivative: Di-Me acetal

Molecular Formula: C₉H₁₁FO₂

Molecular Weight: 170.183

Accurate Mass: 170.074308

Percentage Composition: C 63.52%; H 6.51%; F 11.16%; O 18.80%

Boiling Point: Bp_{0.8} 79°

References:

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