



>>Entry Name: 4-Fluorobenzaldehyde

CAS Registry Number: 459-57-4

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%

Melting Point: Mp -10°

Boiling Point: Bp₇₆₃ 181.5°. Bp₈ 64-65°

Aldrich: 12837-6

Fluka: 46570

Sigma: F8875

>>Derivative: (E)-Oxime

CAS Registry Number: 7304-35-0

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 88.5°

Sigma: F2523

>>Derivative: (Z)-Oxime

CAS Registry Number: 459-23-4

Melting Point: Mp 116-117°

Aldrich: 22263-1

>>Derivative: Phenylhydrazone

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 147°

>>Derivative: 4-Nitrophenylhydrazone

Physical Description: Orange needles (AcOH aq.)

Melting Point: Mp 212°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 278°

References:

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