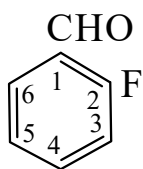




>>Entry Name: 2-Fluorobenzaldehyde



CAS Registry Number: 446-52-6

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 -44.5°

Boiling Point: Bp 175°. Bp₃₆ 80.5°

Density: d₄²⁰ 1.18

Refractive Index: n_D²⁰ 1.5195

Aldrich: F480-7

Fluka: 46550

Sigma: F8625

>>Derivative: Oxime

CAS Registry Number: 451-79-6

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 64.5-65°

Rare Chemicals Library: S55053-1

>>Derivative: Phenylhydrazone

CAS Registry Number: 348-14-1

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 89.5°

>>Derivative: *p*-Nitrophenylhydrazone

CAS Registry Number: 371-03-9

Physical Description: Orange needles (AcOH aq.)

Melting Point: Mp 205°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 200°

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 104C, (*ir*)
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 933A, (*nmr*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1284A, (*ir*)
Shoesmith, B. *et al.*, *J.C.S.*, 1926, 2760
Hudlicky, M., *Coll. Czech. Chem. Comm.*, 1960, **25**, 1199, (*synth*)
Singh, V.B. *et al.*, *Curr. Sci.*, 1967, **36**, 365, (*ir*)
Tomasik, P. *et al.*, *Bull. Acad. Pol. Sci., Ser. Sci. Chim.*, 1974, **22**, 1065, (*uv*)
Schaefer, T. *et al.*, *Can. J. Chem.*, 1990, **68**, 339, (*pmr, F-19 nmr, conformn*)
Fossatelli, M. *et al.*, *Synth. Commun.*, 1990, **20**, 1701, (*synth*)
Milner, D.J., *Synth. Commun.*, 1992, **22**, 73, (*synth*)
Abraham, R.J. *et al.*, *J.C.S. Perkin 2*, 1997, 41-48, (*pmr, cmr, F-19 nmr*)