



>>Entry Name: 2,6-Difluorobenzaldehyde, 9CI

CAS Registry Number: 437-81-0

Molecular Formula: C<sub>7</sub>H<sub>4</sub>F<sub>2</sub>O

Molecular Weight: 142.105

Accurate Mass: 142.023021

Percentage Composition: C 59.17%; H 2.84%; F 26.74%; O 11.26%

Physical Description: Needles

Melting Point: Mp 15-17°

Boiling Point: Bp<sub>243</sub> 190-195°. Bp<sub>15</sub> 82-84°

Aldrich: 26515-2

>>Derivative: Oxime

CAS Registry Number: 19064-16-5

Molecular Formula: C<sub>7</sub>H<sub>5</sub>F<sub>2</sub>NO

Molecular Weight: 157.119

Accurate Mass: 157.03392

Percentage Composition: C 53.51%; H 3.21%; F 24.18%; N 8.91%; O 10.18%

Physical Description: Needles (H<sub>2</sub>O)

Melting Point: Mp 114.5-115°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 226°

#### References:

*Aldrich Library of <sup>13</sup>C and <sup>1</sup>H FT NMR Spectra*, 1992, **2**, 946C, (*nmr*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 1293C, (*ir*)

Lock, G., *Ber.*, 1936, **69**, 2253-2258, (*synth*)

Inukai, K. *et al.*, *CA*, 1958, **52**, 13265d, (*synth*)

Roe, A.M. *et al.*, *J. Med. Chem.*, 1968, **11**, 814-819, (*synth*)

Yoshida, Y. *et al.*, *Chem. Lett.*, 1988, 1355-1358, (*synth*)

Schaefer, T. *et al.*, *Can. J. Chem.*, 1995, **73**, 106-112, (*F-19 nmr*)

Malykhin, E.V. *et al.*, *J. Fluorine Chem.*, 1998, **91**, 19-20, (*synth*)