



>>Entry Name: 2,6-Dimethylbenzaldehyde

CAS Registry Number: 1123-56-4

Structure by analogy with 2,3-Dimethylbenzaldehyde, [DZV31-I](#)

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Physical Description: Liq.

Melting Point: Mp 11°

Boiling Point: Bp_{741.5} 226-228°. Bp₃ 79°

Refractive Index: n_D¹⁸ 1.5480

>>Derivative: Oxime

CAS Registry Number: 55882-62-7

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 158-159°

Rare Chemicals Library: S67096-0

>>Derivative: Semicarbazone

Physical Description: Needles (C₆H₆)

Melting Point: Mp 158°. Mp 176-177°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Red prisms

Melting Point: Mp 255°

References:

Lock, G. *et al.*, *J. Prakt. Chem.*, 1934, **140**, 229, (*synth*)

Braude, E.A. *et al.*, *J.C.S.*, 1955, 3754, (*uv*)

Myeong, S.K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1964, **37**, 341, (*synth*)

Leffingwell, J.C. *et al.*, *Chem. Comm.*, 1969, 1151, (*synth*)

Vander Stouw, G.G. *et al.*, *J.A.C.S.*, 1972, **94**, 1655, (*synth*)

Murahashi, S. *et al.*, *Tet. Lett.*, 1974, 3749, (*synth*)

McCallum, J.S. *et al.*, *Tet. Lett.*, 1989, **30**, 4085, (*synth*)