



>>Entry Name: 3,5-Dimethylbenzaldehyde

Synonym(s): Mesitylenic aldehyde

CAS Registry Number: 5779-95-3

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 9°

Boiling Point: Bp 220-222°. Bp₁₇ 105-108°

Other Data: Oxidises rapidly in air

Rare Chemicals Library: S3584-0

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 36412-05-2

Physical Description: Cryst. (xylene)

Melting Point: Mp 243-245°

>>Derivative: Di-Me acetal

Synonym(s): 1-(Dimethoxymethyl)-3,5-dimethylbenzene, 9CI

CAS Registry Number: 121399-97-1

Molecular Formula: C₁₁H₁₆O₂

Molecular Weight: 180.246

Accurate Mass: 180.11503

Percentage Composition: C 73.30%; H 8.95%; O 17.75%

Physical Description: Liq.

Boiling Point: Bp_{1.5} 67°

References:

Wiemann, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1961, 2257, (*synth*)

Syper, L., *Tet. Lett.*, 1966, 4493, (*synth*)

Eberson, L. *et al.*, *Acta Chem. Scand.*, 1973, **27**, 1249, (*synth*)

Wayland, B.B. *et al.*, *J.A.C.S.*, 1991, **113**, 5305, (*synth*, *pmr*)

Bastianelli, C. *et al.*, *J.C.S. Perkin 2*, 1991, 679, (*synth*)