



>>Entry Name: 2-Iodo-4-methylphenol, 9CI

Synonym(s): 2-Iodo-*p*-cresol, 8CI

CAS Registry Number: 16188-57-1

Molecular Formula: C₇H₇IO

Molecular Weight: 234.036

Accurate Mass: 233.954163

Percentage Composition: C 35.92%; H 3.01%; I 54.22%; O 6.84%

Physical Description: Cryst. (petrol)

Melting Point: Mp 35°

Boiling Point: Bp₁₂ 119°. Bp₃ 96-98°

Density: d₄²⁵ 1.684

>>Derivative: *p*-Nitrobenzoyl

Melting Point: Mp 102°

>>Derivative: Me ether

Synonym(s): 2-Iodo-1-methoxy-4-methylbenzene. 3-Iodo-4-methoxytoluene. 2-Iodo-4-methylanisole

CAS Registry Number: 50597-88-1

Molecular Formula: C₈H₉IO

Molecular Weight: 248.063

Accurate Mass: 247.969813

Percentage Composition: C 38.74%; H 3.66%; I 51.16%; O 6.45%

Physical Description: Liq.

Boiling Point: Bp₂ 99°

References:

Dimroth, O., *Ber.*, 1902, **35**, 2853-2873, (*synth*)

Suter, C.M. *et al.*, *J.O.C.*, 1951, **16**, 1117-1120, (*synth*)

Kämmerer, H. *et al.*, *Chem. Ber.*, 1958, **91**, 1376-1379, (*synth*)

Cambie, R.C. *et al.*, *J.C.S. Perkin I*, 1976, 1161-1164, (*synth, pmr*)

Mazzocchi, P.H. *et al.*, *Org. Magn. Reson.*, 1978, **11**, 143-149, (*cmr*)

Martin, R.F. *et al.*, *Aust. J. Chem.*, 1986, **39**, 373-381, (*Me ether*)

Vasil'ev, A.A. *et al.*, *J.O.C.*, 1998, **63**, 3911-3917, (*synth*)