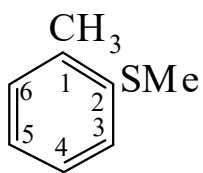




>>Entry Name: 1-Methyl-2-(methylthio)benzene, 9Cl

Synonym(s): 1-Methyl-2-methylmercaptobenzene. Methyl *o*-tolyl sulfide, 8Cl



CAS Registry Number: 14092-00-3

Molecular Formula: C₈H₁₀S

Molecular Weight: 138.233

Accurate Mass: 138.05032

Percentage Composition: C 69.51%; H 7.29%; S 23.20%

Boiling Point: Bp₁₇ 96-97°. Bp_{1.5} 55-56°

>>Derivative: S-Oxide, (±)-form

Synonym(s): Methyl 2-methylphenyl sulfoxide. 1-Methyl-2-(methylsulfinyl)benzene, 9Cl. Methyl *o*-tolyl sulfoxide, 8Cl

CAS Registry Number: 7321-56-4

Molecular Formula: C₈H₁₀OS

Molecular Weight: 154.232

Accurate Mass: 154.045235

Percentage Composition: C 62.30%; H 6.53%; O 10.37%; S 20.79%

Physical Description: Liq.

Boiling Point: Bp₁₇ 96-97°

>>Derivative: S,S-Dioxide

Synonym(s): 1-Methyl-2-(methylsulfonyl)benzene, 9Cl. Methyl *o*-tolyl sulfone, 8Cl

CAS Registry Number: 23276-69-9

Molecular Formula: C₈H₁₀O₂S

Molecular Weight: 170.232

Accurate Mass: 170.04015

Percentage Composition: C 56.45%; H 5.92%; O 18.80%; S 18.84%

Melting Point: Mp 66° (57-58°)

Boiling Point: Bp₃ 134-135°

References:

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