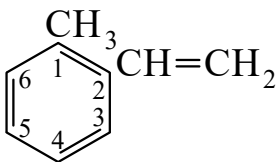




>>Entry Name: 1-Methyl-2-vinylbenzene

Synonym(s): 1-Ethenyl-2-methylbenzene, 9CI. *o*-Methylstyrene, 8CI. *o*-Tolyethylene. 2-Vinyltoluene. (2-Methylphenyl)ethylene



CAS Registry Number: 611-15-4

Related CAS Registry Numbers(s): 25013-15-4

Extra CAS Registry Numbers(s): 1319-73-9

Molecular Formula: C₉H₁₀

Molecular Weight: 118.178

Accurate Mass: 118.07825

Percentage Composition: C 91.47%; H 8.53%

Physical Description: Oil

Melting Point: Mp -68.5°

Boiling Point: Bp 168-169°. Bp₁₂ 55.4°

Solubility: Insol. H₂O; sol. C₆H₆, CHCl₃

Density: d₄¹⁴ 0.916

Refractive Index: n_D⁰ 1.5437

Other Data: Undergoes radical, cationic and Ziegler-Natta polym. Rate for propagation of radical polym., *k*_p = 60 L mol⁻¹ s⁻¹ (50°)

Hazard & Toxicity: Irritant. OES: long-term 100 ppm; short-term 150 ppm

Fluka: 69180

References:

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