



>>Entry Name: **1,3-Divinylbenzene**

Synonym(s): 1,3-Diethenylbenzene, 9CI. *m*-Divinylbenzene, 8CI

CAS Registry Number: 108-57-6

Related CAS Registry Numbers(s): 1321-74-0

Structure by analogy with 1,2-Divinylbenzene, [FBP73-C](#)

Molecular Formula: C₁₀H₁₀

Molecular Weight: 130.189

Accurate Mass: 130.07825

Percentage Composition: C 92.26%; H 7.74%

Use/Importance: Chain branching and cross-linking agent which polymerises readily

Physical Description: Liq.

Boiling Point: Bp₃ 52°

Refractive Index: n_D²⁰ 1.5760

Hazard & Toxicity: Eye, skin and respiratory tract irritant

References:

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Johnston, H.W., *J.A.C.S.*, 1947, **69**, 2065, (*synth*)

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Esipoy, G.Z., *CA*, 1972, **77**, 80245, (*synth*)

Malkes, L.Ya., *Zh. Prikl. Spektrosk.*, 1974, **21**, 172, (*uv*)

Gauler, R. *et al.*, *Eur. J. Org. Chem.*, 1998, 1193-1200, (*synth, pmr, cmr*)

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