



>>Entry Name: 1-(Trifluoromethyl)-3-vinylbenzene

Synonym(s): 1-Ethenyl-3-(trifluoromethyl)benzene, 9Cl. 3-(Trifluoromethyl)styrene. α,α,α -Trifluoro-3-vinyltoluene. 3-Vinylbenzotrifluoride

CAS Registry Number: 402-24-4

Molecular Formula: $C_9H_7F_3$

Molecular Weight: 172.149

Accurate Mass: 172.049984

Percentage Composition: C 62.79%; H 4.10%; F 33.11%

Boiling Point: Bp₂₃ 61-62°

Refractive Index: n_D²⁰ 1.4655

Other Data: Undergoes radical and anionic polym.

Aldrich: 36669-2

References:

Marvel, C.S. *et al.*, *J.A.C.S.*, 1946, **68**, 736, (*synth, polym*)

Bachman, G.B. *et al.*, *J.A.C.S.*, 1947, **69**, 2022, (*synth, polym*)

Conciatori, A.B. *et al.*, *J.A.C.S.*, 1950, **72**, 2283, (*synth*)

Brown, H.C. *et al.*, *J.A.C.S.*, 1966, **88**, 5851, (*synth*)

Trost, B.M. *et al.*, *J.A.C.S.*, 1973, **95**, 5288, (*synth, ir, pmr*)

Mesnard, D. *et al.*, *J. Chem. Res., Synop.*, 1981, 270, (*synth*)

Happer, D.A.R., *J.C.S. Perkin 2*, 1984, 1673, (*cmr*)

Narita, T. *et al.*, *Polym. J. (Tokyo)*, 1990, **22**, 1023, (*anionic polym*)