



>>Entry Name: 1,3,5-Tris(trifluoromethyl)benzene, 9CI

Synonym(s): $\alpha,\alpha,\alpha,\alpha',\alpha',\alpha',\alpha'',\alpha'',\alpha''$ -Nonafluoromesitylene

CAS Registry Number: 729-81-7

Molecular Formula: $C_9H_3F_9$

Molecular Weight: 282.108

Accurate Mass: 282.009102

Percentage Composition: C 38.32%; H 1.07%; F 60.61%

Melting Point: Mp 9°

Boiling Point: Bp 118-119°

Refractive Index: n_D^{25} 1.3558

Aldrich: 42476-5

Sigma: T3432

References:

McBee, E.T. *et al.*, *Ind. Eng. Chem.*, 1947, **39**, 393, (*synth*)

Cooper, C.D. *et al.*, *J. Chem. Phys.*, 1952, **20**, 1903, (*uv*)

Takahashi, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1985, **58**, 755-756, (*pmr, cmr, F-19 nmr*)

Scholz, M. *et al.*, *J. Organomet. Chem.*, 1989, **366**, 73-85, (*synth*)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1996, **1**, 63-64, (*synth, pmr, cmr, F-19 nmr*)