



>>Entry Name: 1,1,2,2,3,3,4,5,5,6-Decafluoro-4,6-bis(trifluoromethyl)cyclohexane, 9CI

Synonym(s): Perfluoro-1,3-dimethylcyclohexane. Hexadecafluoro(1,3-dimethylcyclohexane). Flutec PP3

CAS Registry Number: 335-27-3

Related CAS Registry Numbers(s): 145984-79-8 145984-80-1

Molecular Formula: C₈F₁₆

Molecular Weight: 400.062

Accurate Mass: 399.974448

Percentage Composition: C 24.02%; F 75.98%

Physical Description: Liq.

Melting Point: Mp -65°

Boiling Point: Bp 103°

Other Data: No information on stereochem.

Aldrich: 28231-6

Fluka: 77268

Sigma: P9535

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 152B, (*ir*)

Fowler, R.D. *et al.*, *Ind. Eng. Chem.*, 1947, **39**, 292; 375, (*synth, props*)

Haszeldine, R.N. *et al.*, *J.C.S.*, 1950, 2689; 3617; 1951, 603, (*synth, props*)

Yonekura, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 1113, (*synth*)

Ovenall, D.W. *et al.*, *J. Magn. Reson.*, 1977, **25**, 361, (*cmr*)