



>>Entry Name: **2,3-Dimethyl-2,3-diphenylbutane**

Synonym(s): 1,1'-(1,1,2,2-Tetramethyl-1,2-ethanediyl)bisbenzene, 9Cl. $\alpha,\alpha,\alpha',\alpha'$ -Tetramethylbibenzyl, 8Cl. Bicumyl. Dicumyl. Dicumene

CAS Registry Number: 1889-67-4

$\text{PhC}(\text{CH}_3)_2\text{C}(\text{CH}_3)_2\text{Ph}$

Molecular Formula: $\text{C}_{18}\text{H}_{22}$

Molecular Weight: 238.372

Accurate Mass: 238.17215

Percentage Composition: C 90.70%; H 9.30%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 119-120°

References:

Chia, L.H.L. *et al.*, *J.C.S.(B)*, 1970, 1695, (*ir*)

Kratt, G. *et al.*, *Chem. Ber.*, 1983, **116**, 3235, (*pmr, cmr, cryst struct*)

Nagarajan, M. *et al.*, *J.O.C.*, 1984, **49**, 62, (*ir, pmr*)

Bors, D.A. *et al.*, *J.A.C.S.*, 1985, **107**, 6975, (*synth, pmr*)

Popielarz, R. *et al.*, *J.A.C.S.*, 1990, **112**, 3068, (*synth, pmr, ms*)