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>>Entry Name: 4-Methyl-2,4-diphenyl-1-pentene, 8Cl

Synonym(s): 1,1'-(1,1-Dimethyl-3-methylene-1,3-propanediyl)bisbenzene, 9Cl

CAS Registry Number: 6362-80-7

$\text{H}_2\text{C}=\text{CPhCH}_2\text{CPh}(\text{CH}_3)_2$

Molecular Formula:  $\text{C}_{18}\text{H}_{20}$

Molecular Weight: 236.356

Accurate Mass: 236.1565

Percentage Composition: C 91.47%; H 8.53%

Use/Importance: Used in polymerisations

Physical Description: Liq.

Boiling Point:  $\text{Bp}_8$  170-175°.  $\text{Bp}_{0.2}$  101-103°

Density:  $d_4^{25}$  0.99

Refractive Index:  $n_D^{25}$  1.5636

Other Data: Bachmann *et.al* (1951) wrongly assigned this compd. as the 2-pentene

#### References:

Polovoi, Y.N., *CA*, 1969, **70**, 67771, (*ir*, *uv*)

Fischer, J.P. *et al.*, *Makromol. Chem.*, 1972, **155**, 239-257, (*synth*)

Okada, T., *Bull. Chem. Soc. Jpn.*, 1974, **47**, 2251-2254, (*synth*, *pmr*)

Malikowska, H. *et al.*, *Chem. Anal. (Warsaw)*, 1974, **19**, 511-517, (*glc*, *ms*)