



>>Entry Name: **2-Methyl-1-phenyl-1-propene**

Synonym(s): (2-Methyl-1-propenyl)benzene, 9CI. β,β -Dimethylstyrene

CAS Registry Number: 768-49-0

$\text{PhCH}=\text{C}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_{10}\text{H}_{12}$

Molecular Weight: 132.205

Accurate Mass: 132.0939

Percentage Composition: C 90.85%; H 9.15%

Melting Point: Mp -52°

Boiling Point: Bp $183-185^\circ$. Bp₁₁ $76-77^\circ$

Density: d_4^{20} 0.898

Refractive Index: n_D^{20} 1.5273

Aldrich: 28251-0

Fluka: 68720

Rare Chemicals Library: S35157-1

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **2**, 25A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 867D, (*ir*)

Lévy, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1931, **49**, 1776, (*synth*)

Schöllkopf, U. *et al.*, *Angew. Chem., Int. Ed.*, 1975, **14**, 765, (*synth*)

Burt, B.L. *et al.*, *Tet. Lett.*, 1977, 3063, (*synth*)

Schaefer, T. *et al.*, *Can. J. Chem.*, 1988, **66**, 584, (*pmr*)

Shimazu, M. *et al.*, *Heterocycles*, 1997, **45**, 735-744, (*synth, pmr*)