



>>Entry Name: 1-Nitro-2-phenylethane

Synonym(s): (2-Nitroethyl)benzene, 9CI. β -Nitroethylbenzene. β -Phenylnitroethane

CAS Registry Number: 6125-24-2

$\text{PhCH}_2\text{CH}_2\text{NO}_2$

Molecular Formula: $\text{C}_8\text{H}_9\text{NO}_2$

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Biological Source: Fragrant principle of the fruits of *Dennettia tripetala*, also from *Ocotea preciosa* and *Aniba canelilla*

Physical Description: Liq.

Boiling Point: Bp_{14} 130-133°

Density: d_{25}^{25} 1.12

Refractive Index: n_D^{25} 1.5270

References:

Borsche, W. *et al.*, *Annalen*, 1942, **553**, 260, (*synth*)

Kornblum, N. *et al.*, *J.A.C.S.*, 1956, **78**, 1497, (*synth*)

Kornblum, N., *J.O.C.*, 1956, **21**, 377, (*ir*)

Gottlieb, O.R. *et al.*, *J.O.C.*, 1959, **21**, 2070, (*isol*)

Nibbering, N.M.M. *et al.*, *CA*, 1969, **70**, 52219, (*ms*)

Okogun, J.I. *et al.*, *Chem. Ind. (London)*, 1969, 2156, (*isol*)

Bachman, G. *et al.*, *J.O.C.*, 1972, **37**, 2810, (*synth*)