



>>Entry Name: (4-Nitrophenyl)ethylene

Synonym(s): 1-Ethenyl-4-nitrobenzene, 9CI. *p*-Nitrostyrene, 8CI. 1-Nitro-4-vinylbenzene

CAS Registry Number: 100-13-0

Molecular Formula: C₈H₇NO₂

Molecular Weight: 149.149

Accurate Mass: 149.047679

Percentage Composition: C 64.42%; H 4.73%; N 9.39%; O 21.45%

Physical Description: Prisms (petrol)

Melting Point: Mp 29°

Solubility: Sol. EtOH, Et₂O, CHCl₃, AcOH

Other Data: Steam-volatile

Aldrich: 24720-0

References:

Koton, M.M. *et al.*, *Zh. Obshch. Khim.*, 1955, **25**, 1469; *J. Gen. Chem. USSR (Engl. Transl.)*, 1955, **25**, 1415, (*synth, polym*)

Butcher, M. *et al.*, *Aust. J. Chem.*, 1973, **26**, 2067, (*synth*)

Hamer, G.K. *et al.*, *Can. J. Chem.*, 1973, **51**, 897, (*pmr*)

Middleton, S. *et al.*, *Aust. J. Chem.*, 1974, **27**, 2583, (*ms*)

Tominaga, Y. *et al.*, *Chem. Pharm. Bull.*, 1995, **43**, 1425, (*synth, pmr*)

Lewis, R.J. *et al.*, *J.C.S. Perkin 2*, 1996, 1315, (*synth, pmr*)