



>>Entry Name: Phosphorus nitride (PN), 9CI, 8CI

CAS Registry Number: 17739-47-8
PN

Molecular Formula: NP

Molecular Weight: 44.98

Accurate Mass: 44.976836

Percentage Composition: N 31.14%; P 68.86%

Source/Synthesis: Obt. from N₂ + P at >= 2500° under 1-10 atm. N₂ or by vapourisation of Phosphorus nitride (P₃N₅) [HTK53-P](#)

References:

Hoefl, J. *et al.*, *Z. Naturforsch., A*, 1972, **27**, 703, (microwave)

Krasnokut-skii, Yu.I. *et al.*, *Zh. Prikl. Khim. (Leningrad)*, 1974, **47**, 1735; 1972; *J. Appl. Chem. USSR (Engl. Transl.)*, 1974, **47**, 1782; 2029, (synth)

Wu, M. *et al.*, *Chem. Phys. Lett.*, 1975, **36**, 114, (pe)

Fedorov, V.I. *et al.*, *Zh. Prikl. Khim. (Leningrad)*, 1975, **48**, 1656; 1976, **49**, 1015; *J. Appl. Chem. USSR (Engl. Transl.)*, 1975, **48**, 1728; 1976, **49**, 1060, (synth)