



>>Entry Name: Nitrosyl hexafluorophosphate, 9CI

CAS Registry Number: 16921-91-8

$[\text{NO}]^{(+)}[\text{PF}_6]^{(-)}$

Molecular Formula: F_6NOP

Molecular Weight: 174.97

Accurate Mass: 174.962169

Percentage Composition: F 65.15%; N 8.01%; O 9.14%; P 17.70%

Source/Synthesis: Synth. from $\text{NO}(\text{SbCl}_6) + \text{Me}_4\text{NPF}_6$ in liq. SO_2

Physical Description: Cryst.

References:

Woolf, A.A., *J.C.S.*, 1950, 1053-1056, (*synth*)

Seel, F. *et al.*, *Z. Anorg. Allg. Chem.*, 1950, **263**, 253-260, (*synth*)

Sharp, D.W.A. *et al.*, *J.C.S.*, 1963, 3557-3560, (*ir*)

Kuhn, S.J., *Can. J. Chem.*, 1967, **45**, 3207-3209, (*synth*)

Becker, W.D. *et al.*, *Z. Naturforsch., B*, 1970, **25**, 101-102, (*N-14 nmr*)

Griffiths, J.E. *et al.*, *Spectrochim. Acta A*, 1975, **31**, 1207-1216, (*Raman*)