



Source/Synthesis: Synth. from Pr_4NI and I_2 in EtOH

Physical Description: Dark red needles

Melting Point: Mp 97°

>>**Derivative:** Tetrabutylammonium salt

CAS Registry Number: 13311-45-0

Extra CAS Registry Numbers(s): 2455-09-6

Molecular Formula: $\text{C}_{16}\text{H}_{36}\text{I}_3\text{N}$

Molecular Weight: 623.181

Accurate Mass: 622.998193

Percentage Composition: C 30.84%; H 5.82%; I 61.09%; N 2.25%

Source/Synthesis: Synth. from Bu_4NI and I_2 in hot MeOH

Physical Description: Purple cryst. (EtOH aq.)

Melting Point: Mp $70\text{-}70.5^\circ$

References:

Inorg. Synth., 1957, **5**, 167

Ginn, S.G.W. *et al.*, *Chem. Comm.*, 1965, 262, (*ir*, *Raman*)

Brown, R.D. *et al.*, *Aust. J. Chem.*, 1966, **19**, 1567, (*electronic struct*)

Migchelsen, T. *et al.*, *Acta Cryst.*, 1967, **23**, 796, (*cryst struct*)

Guidelli, R. *et al.*, *Electrochim. Acta*, 1967, **12**, 1085, (*formn const*)

Maki, A.G. *et al.*, *Spectrochim. Acta A*, 1967, **23**, 867, (*ir*, *Raman*)

Bowmaker, G.A. *et al.*, *Aust. J. Chem.*, 1968, **21**, 551, (*nqr*)

Topol, L.E., *Inorg. Chem.*, 1971, **10**, 736, (*synth*)

Larsen, D.W. *et al.*, *J. Inorg. Nucl. Chem.*, 1971, **33**, 869, (*uv*)

Gabes, W. *et al.*, *J. Mol. Struct.*, 1972, **14**, 267, (*struct*)

Olsson, L.-F., *Inorg. Chem.*, 1985, **24**, 1398, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, PLW285