



>>Entry Name: Ammonium tungsten oxide, 9CI

Synonym(s): Ammonium tungsten bronze

CAS Registry Number: 11140-77-5

$(\text{NH}_4)_x\text{WO}_3$

General Statement: A hexagonal bronze with composition $(\text{NH}_4)_x\text{WO}_3$ (x ca. 0.33)

Source/Synthesis: Synth. by thermal dec. of ammonium tungstates

Physical Description: Purple microcryst.

References:

Gier, T.E. *et al.*, *Inorg. Chem.*, 1968, **7**, 1646-1647, (*synth, cryst struct*)

Dickens, P.G. *et al.*, *Trans. Faraday Soc.*, 1971, **67**, 794-800, (*synth, cryst struct*)

Volkov, V.L. *et al.*, *Izv. Akad. Nauk SSSR, Neorg. Mater.*, 1990, **26**, 125-129; *CA*, **112**, 244734q, (*synth, cryst struct*)