



>>Entry Name: Molybdenum bromide (MoBr₃), 9CI

Synonym(s): Molybdenum tribromide. Molybdic bromide

CAS Registry Number: 13446-57-6

MoBr₃

Molecular Formula: Br₃Mo

Molecular Weight: 335.652

Accurate Mass: 334.720414

Percentage Composition: Br 71.42%; Mo 28.58%

Source/Synthesis: Prepd. by heating Mo in a stream of Br₂ at 350°

Physical Description: Dark green or black needles. Deliquescent

Solubility: Insol. H₂O, EtOH

Aldrich: 40076-9

References:

Inorg. Synth., 1967, **10**, 49, (*synth*)

Boyd, P.D.W. *et al.*, *Aust. J. Chem.*, 1969, **22**, 3595, (*epr*)

Druce, P.M. *et al.*, *J.C.S.(A)*, 1971, 3595, (*synth, anhyd*)

Babel, D., *J. Solid State Chem.*, 1972, **4**, 410, (*cryst struct*)

Oppermann, H., *Z. Anorg. Allg. Chem.*, 1973, **395**, 249, (*thermodyn*)