



>>Entry Name: Mercury(II) iodate (Hg(IO₃)₂)

CAS Registry Number: 7783-32-6

Hg(IO₃)₂

Molecular Formula: HgI₂O₆

Molecular Weight: 550.395

Accurate Mass: 551.749053

Percentage Composition: Hg 36.44%; I 46.11%; O 17.44%

Source/Synthesis: Synth. from HgIO₃ and HgO or HgCl₂

Physical Description: White solid

Solubility: Sol. HCl; spar. sol. H₂O (2 mg per 100 cm³ at 20°)

Other Data: Dec. at 175° to HgI₂ and O₂

References:

Blicke, F.F. *et al.*, *J.A.C.S.*, 1928, **50**, 1229, (*synth*)

Dasent, W.E. *et al.*, *J.C.S.*, 1960, 2429, (*ir*)

Gmelin Handbook Inorg. Chem., Syst. No. 34, 1967, **B3**, 925

Shishkin, V.A. *et al.*, *J. Mol. Struct.*, 1982, **83**, 349, (*I-127 nqr*)