



>>Entry Name: Barium isopropoxide

Synonym(s): 2-Propanol barium salt, 9CI. Barium diisopropoxide. Diisopropoxybarium

CAS Registry Number: 24363-37-9

Ba(OCHMe₂)₂

Molecular Formula: C₆H₁₄BaO₂

Molecular Weight: 255.502

Accurate Mass: 256.004612

Percentage Composition: C 28.21%; H 5.52%; Ba 53.75%; O 12.52%

Source/Synthesis: Synth. from Ba + 2-propanol at r.t. under Ar

Use/Importance: Precursor in the synth. of oxide materials

Physical Description: Light yellow powder

Other Data: Darkens in the absence of solv.

Other: Gelest AKB120

References:

Bradley, D.C. *et al.*, *Metal Alkoxides*, Academic Press, 1978, (rev)

Turova, N.Ya. *et al.*, *Zh. Neorg. Khim.*, 1993, **38**, 1137-1142; *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1993, **38**, 1055-1059, (synth, ir, epr)

Turevskaya, E.P. *et al.*, *Polyhedron*, 1995, **14**, 1531-1542, (solv)

Mazurenko, Y.A. *et al.*, *Ukr. Khim. Zh. (Russ. edn.)*, 1995, **61**, 77-82, (synth, ir)