



>>Entry Name: 1,1'-Oxybis[2-iodoethane], 9CI

Synonym(s): Bis(2-iodoethyl) ether. β,β' -Diododiethyl ether

CAS Registry Number: 34270-90-1

ICH2CH2OCH2CH2I

Molecular Formula: $C_4H_8I_2O$

Molecular Weight: 325.916

Accurate Mass: 325.866461

Percentage Composition: C 14.74%; H 2.47%; I 77.88%; O 4.91%

Use/Importance: Intermed. for crown ether synth.

Physical Description: Liq.

Boiling Point: B_{p10} 123.5-124°

Rare Chemicals Library: S80958-6

References:

Gibson, C.S. *et al.*, *J.C.S.*, 1930, 2525, (*synth*)

Kulstad, S. *et al.*, *Acta Chem. Scand., Ser. B*, 1979, **33**, 469, (*synth, use*)

Taber, D.F. *et al.*, *Tetrahedron*, 1987, **43**, 5677, (*synth, pmr*)