



>>Entry Name: **1,3-Diiodo-2-propanol**

Synonym(s): Glycerol 1,3-diiodohydrin. α -Diiodohydrin. Iotone. Iothion

CAS Registry Number: 534-08-7

Type of Compound Code(s): VA0100

ICH₂CH(OH)CH₂I

Molecular Formula: C₃H₆I₂O

Molecular Weight: 311.889

Accurate Mass: 311.850811

Percentage Composition: C 11.55%; H 1.94%; I 81.38%; O 5.13%

Biological Source: Isol. from *Asparagopsis taxiformis*

Physical Description: Yellow cryst.

Melting Point: Fp -20°

Boiling Point: Bp_{0.004} 70°

Density: d¹⁵ 2.4

Hazard & Toxicity: LD₅₀ (mus, orl) 325 mg/kg

>>Derivative: 4-Nitrobenzoyl

Physical Description: Cryst.

Melting Point: Mp 81-82°

References:

Fairbourne, A. *et al.*, *J.C.S.*, 1932, 1976, (*synth*)

Lusignani, G., *Boll. Chim. Farm.*, 1939, **78**, 557; *CA*, **34**, 2322, (*synth*)

de Haas, G.H. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1965, **84**, 436, (*synth*)

Woolard, F.X. *et al.*, *Tetrahedron*, 1976, **32**, 2843, (*isol*)