



>>Entry Name: Diisopropyl sulfite, 8Cl

Synonym(s): Bis(1-methylethyl) sulfite, 9Cl. Isopropyl sulfite

CAS Registry Number: 4773-13-1

$(\text{H}_3\text{C})_2\text{CHOS}(\text{O})\text{OCH}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_6\text{H}_{14}\text{O}_3\text{S}$

Molecular Weight: 166.241

Accurate Mass: 166.066365

Percentage Composition: C 43.35%; H 8.49%; O 28.87%; S 19.29%

Use/Importance: Used for synth. of cyclic sulfites

Boiling Point: Bp₇₆₄ 169.5°. Bp₂₀ 78°

References:

Voss, W. *et al.*, *Annalen*, 1931, **485**, 258-283, (*synth*)

Brink, M., *Tet. Lett.*, 1968, 4653-4654, (*pmr*)

Gamble, A.A. *et al.*, *J.C.S.(B)*, 1969, 655-658, (*ms*)

King, S.A. *et al.*, *Synth. Commun.*, 1997, **27**, 701-707, (*synth*)