



>>Entry Name: (Ethylsulfonyl)ethene, 9CI

Synonym(s): Ethyl vinyl sulfone

CAS Registry Number: 1889-59-4

$\text{EtSO}_2\text{CH}=\text{CH}_2$

Molecular Formula: $\text{C}_4\text{H}_8\text{O}_2\text{S}$

Molecular Weight: 120.172

Accurate Mass: 120.0245

Percentage Composition: C 39.98%; H 6.71%; O 26.63%; S 26.68%

Use/Importance: Anal. reagent for thiols

Physical Description: Oil

Boiling Point: Bp_8 110-112°. Bp_3 89-93°

Density: d^{20} 1.1457

Refractive Index: n_D^{20} 1.4640

Aldrich: 28283-9

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 1420B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 831D, (*ir*)

Fehnel, E.A. *et al.*, *J.A.C.S.*, 1949, **71**, 231, (*synth, ir*)

Ford-Moore, A.H., *J.C.S.*, 1949, 2433, (*synth*)

Scharf, V.Z. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1967, 1843; *CA*, **68**, 59042x, (*synth*)

Obtemperanskaya, S.I. *et al.*, *Zh. Anal. Khim.*, 1974, **29**, 175, (*use*)