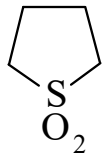
>>**Entry Name: Tetrahydrothiophene 1,1-dioxide,** 9CI
Synonym(s): Sulfolane. Tetramethylene sulfone. Sulpholane. Cyclotetramethylene sulfone. Bondolane A



CAS Registry Number: 126-33-0

Molecular Formula: $C_4H_8O_2S$
Molecular Weight: 120.172
Accurate Mass: 120.0245
Percentage Composition: C 39.98%; H 6.71%; O 26.63%; S 26.68%
Source/Synthesis: Constit. of the sponge/tunicate composite, *Batzella* sp./*Lissoclinum* sp.
Use/Importance: High-boiling polar aprotic solv. Used for extraction of aromatics from hydrocarbon mixts. Used as solv. for measuring polarographic half-wave potentials for alkali metals and Ba
Physical Description: Oil
Melting Point: Mp 27°
Boiling Point: Bp 285°. Bp_{18} 153-154°
Other Data: Bitter taste
Hazard & Toxicity: Fl. p. 177° (oc). Eye irritant. LD_{50} (rat, orl) 1941 mg/kg

Aldrich: T2220-9
Fluka: 86150
Sigma: T7893

References:

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