

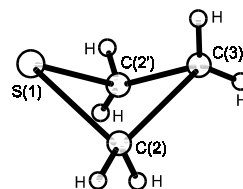
1291
ED, MW

C₃H₆S

Thietane
Trimethylene sulfide

C_s

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–S	1.847(2)	C–S–C	76.8(3)
C–C	1.549(3)	C–C–S	90.6(3)
C–H (average)	1.100(6)	C–C–C	95.6(4)
C(2)–H	1.09(2)	ϕ ^{b)}	26.0(20)
C(3)–H	1.12(4)		
S(1)...C(3)	2.430(3)		
C(2)...C(2')	2.309(6)		



The nozzle was at room temperature.

^{a)} Estimated limits of error.

^{b)} Dihedral angle between the C(2)SC(2') and the C(2)C(3)C(2') planes.

Karakida, K., Kuchitsu, K.: Bull. Chem. Soc. Jpn. **48** (1975) 1691.

See also: Karakida, K., Kuchitsu, K., Bohn, R. K.: Chem. Lett. (1974) 159.