

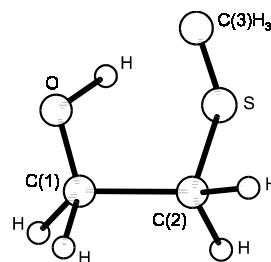
1347
MW

C₃H₈OS

2-(Methylthio)ethanol

C₁ (gGG)
H₃C–S–CH₂–CH₂–OH

r_0	Å	θ_0	deg
S–C(3)	1.802 ^{a)}	C(1)–C(2)–S	114.7 ^{a)}
S–C(2)	1.806 ^{a)}	C(3)–S–C(2)	100.2 ^{a)}
C(1)–C(2)	1.524 ^{a)}	O–C(1)–C(2)	112.5 ^{a)}
C(1)–O	1.415 ^{a)}	H–O–C(1)	104.0 ^{a)}
O–H	0.950 ^{a)}	H–C–C	109.47 ^{a)}
C–H	1.093 ^{a)}	H–C–S	109.47 ^{a)}
		C–C–S–C	113(3) ^{b)}
		C–C–S–C	67(3) ^{c)}
		O–C–C–S	61(3) ^{c)}



The gGG form is found to be at least 3 kJ mol^{–1} more stable than any other conformers.

^{a)} Assumed.

^{b)} From *anti*.

^{c)} From *syn*.

Marstokk, K.-M., Møllendal, H., Uggerud, E.: Acta Chem. Scand. **43** (1989) 26.