

1739  
MW

**C<sub>4</sub>H<sub>8</sub>O**

**2-Methyl-2-propen-1-ol**  
2-Methylallyl alcohol

**C<sub>1</sub> (*skew*)**  
**C<sub>1</sub> (*syn*)**  
H2C=C(CH3)-CH2-OH

*syn* conformer [1]

$r_s$                       Å<sup>a)</sup>

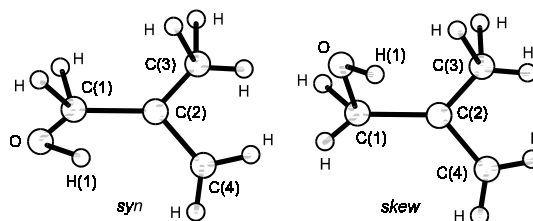
H(1)...C(2)    2.665(5)

H(1)...C(4)    2.772(5)

Atom	$ a_s $ [Å]	$ b_s $ [Å]	$ c_s $ [Å]
H(1)	1.941	0.435	0.819

*skew* conformer [2]

Atom	$ a_s $ [Å]	$ b_s $ [Å]	$ c_s $ [Å]
H(1)	1.652	0.270	1.210



In the *skew* conformers the O atom is *skew* to the C(2)=C(3) bond and the hydroxylic H atom is *gauche* to the C(1)–C(2) bond.

<sup>a)</sup> Uncertainties were not estimated in the original paper.

[1] Caminati, W., Fantoni, A.C., Velino, B., Siam, K., Schäfer, L., Ewbank, J.D., van Alsenoy, C.: J. Mol. Spectrosc. **124** (1987) 72.

[2] Caminati, W., Fantoni, A.C.: Chem. Phys. **105** (1986) 59.