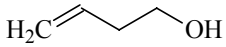
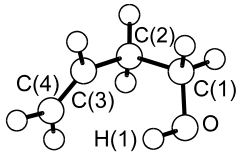
559 **C_4H_8O** **3-Buten-1-ol** **C_1** (conformer I)
MW **C_1** (conformer II)

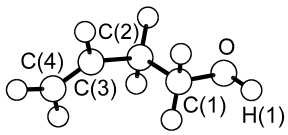


θ_0		deg [a])
	conformer I	conformer II
C(1)–C(2)–C(3)=C(4) [b])	–107.4(5)	–113.9(5)
C(3)–C(2)–C(1)–O [b])	64.3(5)	183.1(5)
C(2)–C(1)–O–H [b])	–49.7(5)	181.5(5)

Atom	$\lvert a_s \rvert$ [Å]	$\lvert b_s \rvert$ [Å]	$\lvert c_0 \rvert$ [Å]
	conformer I		
H(1)	0.4148	1.4228	0.2555
	conformer II		
H(1)	2.955	0.355	0.405



conformer I (CMG)



conformer II (CAA)

Conformer I (CMG) and conformer II (CAA) were detected. Relaxation of the extended conformers including conformer II to the more stable *gauche* (CMG) is precluded by high intervening energy barriers.

[a]) Uncertainties were not estimated in the original paper.
[b]) Dihedral angle.

Crofts, J.G., Brown, R.D., Godfrey, P.D.: J. Phys. Chem. A **103** (1999) 3629.

II/25C (**3**, 1740)