

1086
ED

C₃H₃BrO

2-Bromo-2-propenal

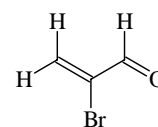
C_s (*anti*)
C_s (*syn*)

r_a	Å ^{a)}	θ_α	deg ^{a)}
C–H	1.103(28)	C–C=C	121.7(11)
C=O	1.219(8)	C–C=O	124.0(17)
C=C	1.350(13)	C–C–Br	116.1(19)
C–C	1.498(13)	C=C–H	122(9)
C–Br	1.883(8)	C–C–H	115(10)

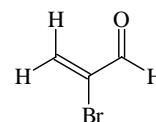
Two conformers were identified, a more stable *anti* form (64(11)%) and a less stable planar (or nearly planar) *syn* form.
 $\Delta E^\circ = E^\circ(\textit{syn}) - E^\circ(\textit{anti}) = 1.7(14) \text{ kJ mol}^{-1}$.
 The nozzle temperature was 353 K.

^{a)} Twice the estimated standard errors.

Hagen, K.: J. Am. Chem. Soc. **111** (1989) 9169.



anti



syn