

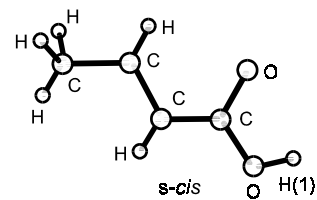
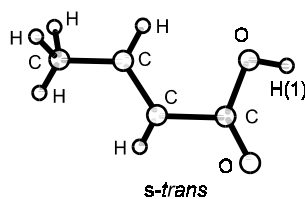
1658  
MW

**C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>**

**(E)-2-Butenoic acid**  
Crotonic acid

**C<sub>s</sub> (s-cis)**  
**C<sub>s</sub> (s-trans)**  
**H<sub>3</sub>C-CH=CH-C(O)-OH**

Atom	<i>a<sub>s</sub></i> [Å]	<i>b<sub>s</sub></i> [Å]
	<i>s-trans</i>	
H(1)	2.176	1.363
	<i>s-cis</i>	
H(1)	2.802	0.459



The molecule exists in two rotameric forms, *s-trans* and *s-cis*, and the OH group is *cis* to C=O in both forms.

Shibano, J., Matsumoto, T., Ishida, T., Onda, M., Sakaizumi, T., Ohashi, O., Yamaguchi, I.:  
J. Mol. Struct. **190** (1988) 377.