

1096  
MW

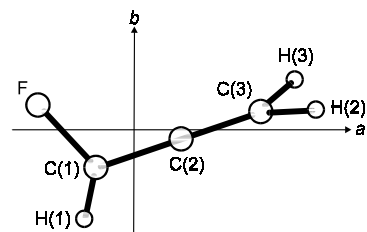
**C<sub>3</sub>H<sub>3</sub>F**

**1-Fluoro-1,2-propadiene**  
Fluoroallene

**C<sub>s</sub>**  
HFC=C=CH<sub>2</sub>

$r_s$	Å	$\theta_s$	deg
C(1)=C(2)	1.301(4)	C(1)=C(2)=C(3)	178.2(6) <sup>a)</sup>
C(2)=C(3)	1.309(3)	C(2)=C(1)-F	121.9(5)
C(1)-F	1.360(6)	C(2)=C(1)-H	124.3(3)
C(1)-H(1)	1.083(2)	C(2)=C(3)-H(2,3)	120.8(2)
C(3)-H(2,3)	1.086(2)		

Atom	$a_s$ [Å]	$b_s$ [Å]	$c_s$ [Å]
C(1)	-0.5365	-0.5368	0.00
C(2)	0.7044	-0.1472	0.00
C(3)	1.9657	0.2044	0.00
H(1)	-0.8513	-1.5725	0.00
H(2)	2.5022	0.3509	0.9325
H(3)	2.5022	0.3509	-0.9325
F	-1.5680	0.3491	0.00



<sup>a)</sup> Bent towards H(1).

Ogata, T., Fujii, K., Yoshikawa, M., Hirota, F.: J. Am. Chem. Soc. **109** (1987) 7639.