

1009  
MW

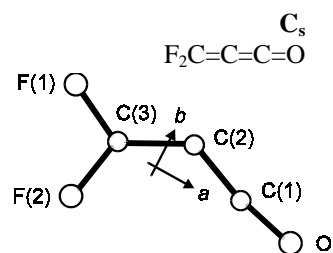
**C<sub>3</sub>F<sub>2</sub>O**

**3,3-Difluoro-1,2-propadienone**

$r_0$	Å	$\theta_0$	deg
C(3)–F(1)	1.311(1)	F(1)–C(3)=C(2)	124.5 <sup>a)</sup>
C(3)–F(2)	1.320 <sup>b)</sup>	F(2)–C(3)=C(2)	127.3 <sup>a)</sup>
C(2)=C(3)	1.314(2)	C(3)=C(2)=C(1)	130.6(4)
C(1)=C(2)	1.309 <sup>b)</sup>	C(2)=C(1)=O	170.5(6)
C(1)=O	1.159(2)		

<sup>a)</sup> Assumed.

<sup>b)</sup> Constrained by  $r(\text{C}(2)=\text{C}(3)) = r(\text{C}(1)=\text{C}(2)) + 0.005 \text{ Å}$ ,  
 $r(\text{C}(3)–\text{F}(2)) = r(\text{C}(3)–\text{F}(1)) + 0.009 \text{ Å}$ .



Tam, H.S., Harmony, M.D., Brahms, J.C., Dailey, W.P.: J. Mol. Struct. **223** (1990) 217.