

1103  
ED

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

***α,α,α*-Trifluoroacetone**  
1,1,1-Trifluoro-2-propanone

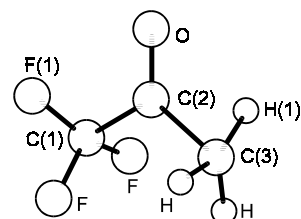
probably C<sub>s</sub>  
H<sub>3</sub>C–C(O)–CF<sub>3</sub>

$r_g$	Å <sup>a)</sup>	$\theta_g$	deg <sup>a)</sup>
C(2)–C(3)	1.481(60)	C(2)–C(3)–H	105.0(60)
C(1)–C(2)	1.562(30)	C(2)–C(1)–F	110.7(10)
C=O	1.207(20)	O=C(2)–C(3)	122.0(30)
C–H	1.089(70)	O=C(2)–C(1)	116.8(20)
C–F	1.339(10)		

Local C<sub>3v</sub> symmetry was assumed for the CF<sub>3</sub> and CH<sub>3</sub> groups.

The measurements were probably made at room temperature.

<sup>a)</sup> Estimated limits of error; larger than those of the original data.



Andreassen, A.L., Bauer, S.H.: J. Mol. Struct. **12** (1972) 381.