

1097  
MW

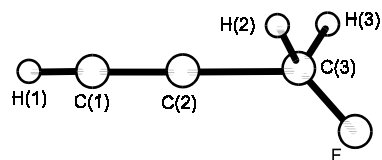
**C<sub>3</sub>H<sub>3</sub>F**

**3-Fluoro-1-propyne**

**C<sub>s</sub>**  
HC≡C-CH<sub>2</sub>F

$r_s$	Å	$\theta_s$	deg
C(1)-H	1.056(2)	C(2)-C(1)-H	179.6(7)
C(1)≡C(2)	1.206(4)	C(1)≡C(2)-C(3)	178.9(8)
C(2)-C(3)	1.454(4)	C(2)-C(3)-H	110.6(2)
C(3)-H	1.096(7)	H-C(3)-H	109.3(2)
C(3)-F	1.393(6)	C(2)-C(3)-F	111.0(4)

Atom	$a_s$ [Å]	$b_s$ [Å]	$c_s$ [Å]
H(1)	-2.9535	-0.5789	0.00
C(1)	-1.9533	-0.2391	0.00
C(2)	-0.8091	0.1411	0.00
C(3)	0.5615	0.6262	0.00
H(2,3)	0.7578	1.2289	±0.8935
F	1.4664	-0.4334	0.00



Wiedenmann, K.H., Botskor, I., Rudolph, H.D.: J. Mol. Spectrosc. **113** (1985) 186.