

**1260**  
MW

**C<sub>3</sub>H<sub>6</sub>N<sub>2</sub>**

**4,5-Dihydro-3*H*-pyrazole**  
1-Pyrazoline

**C<sub>s</sub><sup>a)</sup>**

$r_0$	Å	$\theta_0$	deg
N=N	1.254(8)	H-C-H	108.3(1)
N-C	1.495(4)	N=N-C	112.5(2)
C-C	1.533(1)		
C-H	1.085(1)		



<sup>a)</sup> The puckering potential is  $V = -21.27 \cdot 10^3 X^2 + 10.14 \cdot 10^5 X^4 \text{ cm}^{-1}$ ,  $X$  denoting the puckering coordinate in Å. The equilibrium value of  $X$  is  $\pm 0.102$  and the inversion barrier is  $111.5 \text{ cm}^{-1}$ .

Halonen, L., Friz, E., Robiette, A.G., Mills, I.M.: J. Mol. Spectrosc. **79** (1980) 432.