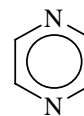


**1554**     **C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>**  
ED, liquid-crystal NMR

**Pyrazine**

**D<sub>2h</sub>**

$r_{\alpha}$	$\text{\AA}^a)$	$\theta_{\alpha}$	$\text{deg}^a)$
C–N	1.3376(13)	C–N–C	115.65(24)
C–C	1.3968(30)	C–C–H	119.96(8)
C–H	1.0831(37)		



The nozzle temperature was 350 K.

<sup>a)</sup> Estimated standard errors including a systematic error.

Cradock, S., Liescheski, P.B., Rankin, D.W.H., Robertson, H.E.:  
J. Am. Chem. Soc. **110** (1988) 2758.

$r_g$	$\text{\AA}^a)$	$\theta_{\alpha}$	$\text{deg}^a)$
C–N	1.339(2)	C–N–C	115.6(4)
C–C	1.403(4)	C–C–H	123.9(6)
C–H	1.115(4)		

The nozzle temperature was 60 °C.

<sup>a)</sup> 2.5 times the estimated standard errors.

Bormans, B.J.M., de With, G., Mijlhoff, F.C.: J. Mol. Struct. **42** (1977) 121.

**D<sub>2h</sub> assumed**

