

602  
MW $\text{C}_4\text{H}_{11}\text{NO}_2$ **Morpholine – water (1/1)**  
(weakly bound complex) $\text{C}_s$   
(effective symmetry class)  
(large-amplitude motion)

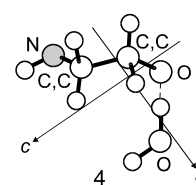
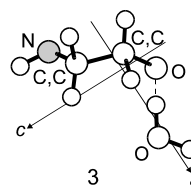
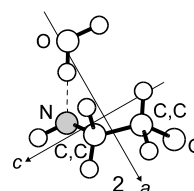
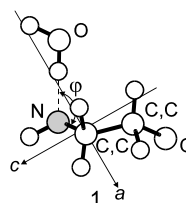
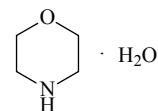
$r_0$	$\text{\AA}^{\text{a)}}$	$\theta_0$	$\text{deg}^{\text{a)}}$
$\text{N}\dots\text{H}^{\text{b)}}$	1.95(1)	$\varphi^{\text{c)}}$	121.1(5)

Four structures shown in the figure reproduce the experimental rotational constants equally well. Structural parameters in structure 1 are reproduced in the table.

<sup>a)</sup> Uncertainties were not estimated in the original paper.

<sup>b)</sup> Hydrogen bond distance.

<sup>c)</sup> Angle between the  $\text{O}\dots\text{H}$  bond and the  $\text{C-N-C}$  plane, see figure.



Indris, O., Stahl, W., Kretschmer, U.: J. Mol. Spectrosc. **190** (1998) 372.