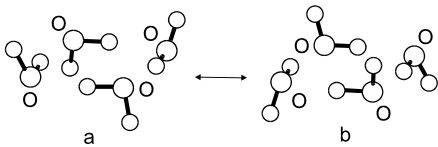


278	H_8O_4	Water tetramer (weakly bound complex)	S_4 (effective symmetry class) (large-amplitude motion) $(\text{H}_2\text{O})_4$
IR	<p>The equilibrium structure of the water tetramer has free hydrogen atoms alternating above and below the OOOO ring. As figure shows, the two equivalent structures (a) and (b) are interconvertible through degenerate tunneling.</p> 		
	Brown, M.G., Keutsch, F.N., Braly, L.B., Saykally, R.J.: J. Chem. Phys. 111 (1999) 7801.		
IR			$(\text{D}_2\text{O})_4$
	<p>The observed vibration-rotation-tunneling spectrum is consistent with the symmetric-top structure shown in the figure, although individual structural parameters were not determined.</p>		
	Cruzan, J.D., Brown, M.G., Liu, K., Braly, L.B., Saykally, R.J.: J. Chem. Phys. 105 (1996) 6634.		