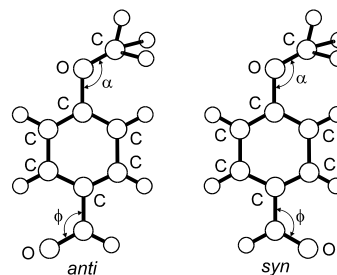
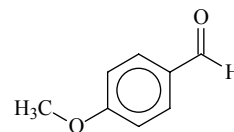


837
MW $C_8H_8O_2$ ***p*-Methoxybenzaldehyde**
p-Anisaldehyde
4-Methoxybenzaldehyde C_s (*syn*)^{a)}
 C_s (*anti*)^{a)}

Rotational transitions were measured for both the *anti* and *syn* conformers. By application of a two-dimensional flexible model to the torsions of methoxy and aldehyde groups, the potential energy and structural deformation parameters transferred from anisole and benzaldehyde have been found to be suitable to describe these motions in *p*-anisaldehyde. Some of the main parameters employed in the model are V_2 (methoxy) = 1202 cm⁻¹, V_2 (aldehyde) = 1710 cm⁻¹, $\alpha_0 = 113.0^\circ$, and $\phi_0 = 124.5^\circ$.

^{a)} G_6 , when internal rotation of CH₃ in the methoxy group is taken into account.



Melandri, S., Maris, A., Favero, P.G., Favero, L.B., Caminati, W., Meyer, R.: J. Mol. Spectrosc. **185** (1997) 374.

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