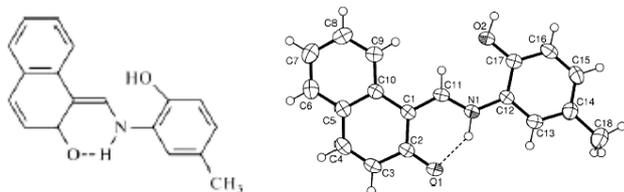


Structures of Some Hydroxynaphthaldehyde Schiff Bases

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The molecules of compound, C₁₈H₁₅N₁O₂ (I) and C₁₇H₁₂N₁O₂Cl₁ (II) are not exactly planar, and adopts the keto-amine tautomeric form with an N---H...O and intermolecular O---H...O hydrogen bonds.



In the compounds, the keto-amine tautomer is favored over the phenol-imine form. The rather short C2-O1 and C1-C11 bonds can be considered as C=O and C=C double bonds, respectively. This fact, together with the very short C3-C4 bond, suggests the presence of a significant quinoidal effect. A similar quinoidal effect was observed in our previous work [1].

[1] Odabaşoğlu M., Albayrak C., Büyükgüngör O., *Acta Cryst.*, 2004, **E60**, o142-o144.

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