ROTATIONALLY RESOLVED STUDIES OF $PARA$-AMINOPHENOL AND ITS COMPLEXES.[a]

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In biological systems, solvent molecules play a significant role through non-covalent interactions. From this, the desire to understand the properties of solvent molecules bound to different functional groups of a bio-molecule follows. The goal of this study is to use rotationally resolved electronic spectroscopy to determine the position of attachment and intermolecular motions of a single solvent molecule linked to three possible receptor sites in $para$-aminophenol; the hydroxyl group, the amino group, and the aromatic ring.

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