

Interfacial Adsorption and Micellisation Behaviour of Alkaloid Based Chiral Compounds in Aqueous Medium

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Abstract - Chiral compounds I, II, III and IV have been synthesized and characterized. Their interfacial (at air/solution interface) adsorption and self-association in aqueous medium have been studied by tensiometric, conductometric and spectrophotometric methods. The compounds have been found to form micelles in solution with low CMC values. The results have been analyzed and thermodynamics of the micellization of the chiral compounds and their adsorption at the air/solution interface have been evaluated and discussed.
