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| Title: | C3-symmetric azo(hetero) arenes incorporated BTA and triazine core-based systems and their photoswitching and supermolecular studies |
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| Abstract: | In the first part of the work, C 3 -symmetric triazine based photoswitchable systems were synthesized and connected with different kinds of carboxylic acids through H-bonding and characterized by various spectroscopic techniques such as 1 H NMR and IR. In the second part of the work, we have attempted at host-guest studies through the encapsulation of different kinds of guest molecules such as ammonium chloride with benzenetricarboxyamide (BTA) based N-methylated derivative of phenyl azo isoxazole as host molecule. In the final part, we attempted to synthesize C 3 -symmetric π-extended acryl group connected long chain alkoxyazobenzenes incorporated molecules for photo-responsible liquid crystalline properties. |
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