

Supramolar recognition and organization of (bio) molecules around carbon nanotubes

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Self organization of photopolymerisable lipids around carbon nanotubes allows the synthesis of nanosomes. These new nano-objects were characterized by electron microscopy and used for the solubilization of hydrophobic molecules including drugs, parfums or membrane proteins. In a second part, we present the separation of chiral nanotubes with a new class of aromatic detergents which are able to perform supramolecular recognition between the different types of tubes.