



Fullerene Derivatives That Bear Aliphatic Chains as Unusual Surfactants: Hierarchical Self-Organization, Diverse Morphologies, and Functions

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Fullerene-Based Hydrophobic Amphiphiles

The image shows a variety of supramolecular assemblies of unusual surfactants on a sandy beach. These assemblies include a green cone-like structure, a cyan spherical structure, a yellow porous sphere, an orange spherical structure, a pink crumpled sphere, and a dark blue spherical structure. Above the beach scene, there is a schematic diagram of a Fullerene-Based Hydrophobic Amphiphile. The diagram shows a grey spherical molecule labeled "π-π" interacting with a chain of white spheres labeled "van der Waals". An arrow labeled "Hydrophobicity" points to the white spheres.

*Supramolecular Assemblies
of Unusual Surfactants*