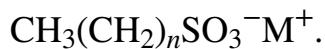
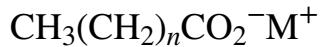


amphiphilic

A term used to describe a compound containing a large organic cation or anion which possesses a long unbranched hydrocarbon chain, e.g.



The existence of distinct polar (hydrophilic) and nonpolar (hydrophobic) regions in the molecule promotes the formation of *micelles* in dilute aqueous solution.

See also: amphipathic

Source:

PAC, 1994, 66, 1077 (*Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994)*) on page 1083