

Saturated fatty acids have the general chemical formula $\text{H}_3\text{C}-(\text{CH}_2)_n-\text{COOH}$, where 'n' is an integer greater than or equal to 2. Each saturated fatty acid has two names: a common name often referencing its origin (like caproic acid from goat's milk, derived from the Latin "capra") and a systematic name based on its structure (number of carbons, unsaturations, etc.). Additionally, there's a common nomenclature in physiology and biochemistry using the number of carbon atoms and unsaturations (e.g., $\text{C}_{xx}0$, where 'x' indicates carbon atoms and '0' signifies zero double bonds, meaning the fatty acid is saturated).