

| Number of Carbon atoms | Systematic Name | Common Name | Melting Point (C°) | Occurrence   |
|------------------------|-----------------|-------------|--------------------|--|
| 2                      | Ethanoic        | Acetic      | 16.7               | Esterified to glycerol in ruminant milk fats, In some plant triacylglycerols and as alcohol acetates in many plants. As a component of platelet –activating factor |
| 3                      | Propanoic       | Propionic   | -22.0              | In the rumen   |
| 4                      | Butanoic        | Butyric     | -7.9               | In milk fat of ruminants, in the rumen   |
| 6                      | Hexanoic        | Caproic     | -8.0               | In milk fat  |
| 8                      | Octanoic        | Caprylic    | 12.7               | Minor compound of most animal and plant fats, major component of milk and some seed triacylglycerols   |
| 10                     | Decanoic        | Capric      | 29.6               | Minor compound in many tissues. Major acid in milk and some seed triacylglycerols  |
| 12                     | Dodecanoic      | Lauric      | 42.2               | Widely occurring, major acid in some seed fats, e.g. coconut oil and palm kernel oil   |
| 14                     | Tetradecanoic   | Myristic    | 52.1               | Widespread, occasionally as a major acid   |
| 16                     | Hexadecanoic    | Palmitic    | 60.7               | The most common saturated fatty acid in animals, plants and microorganisms   |
| 18                     | Octadecanoic    | Stearic     | 69.6               | Major fatty acid in animal tissues and some fungi, usually minor in plants, major only in a few plant species (e.g. cocoa butter)                                  |
| 20                     | Eicosanoic      | Arachidic   | 75.4               | Usually minor compounds and only occasionally significant  |
| 22                     | Docosanoic      | Behenic     | 80.0               | Minor component in some seed triacylglycerols and plant waxes  |
| 24                     | Tetracosanoic   | Lignoceric  | 84.2               | Widespread as a constituent of sphingolipids, minor acid in some seed triacylglycerols and plant waxes   |
| 26                     | Hexacosanoic    | Cerotic     | 87.7               | Usual as component of plant and insect waxes   |
| 28                     | Octacosanoic    | Montanic    | 90.9               | Major acid in some plant waxes   |