

No. of C atoms	Systematic Name	Common Name	Melting Point (C°)	Occurrence
16	<i>trans</i> -3-hexadecenoic		53	Plant leaf tissues, eukaryotic algae, Exclusively as an acyl chain of phosphatidylglycerol in chloroplasts
16	<i>cis</i> -5-hexadecenoic			Bacilli
16	<i>cis</i> -7-hexadecenoic			Bacteria, algae, higher plants
16	<i>cis</i> -9-hexadecenoic	Palmitoleic	1	Wide-distributed in microorganisms, plants and animals. Major components in some seed oils
18	<i>cis</i> -6-octadecenoic	Petroselenic	33	Major acid in seed oil of the Umbelliferae family
18	<i>cis</i> -9-octadecenoic	Oleic	16	Most abundant in plants and animals in both structural and storage lipids. Also found in microorganisms
18	<i>trans</i> -9-octadecenoic	Elaidic	44	In the rumen and in hydrogenated margarines
18	<i>trans</i> -11-octadecenoic	Vaccenic	44	In rumen fats as a result of hydrogenation of polyunsaturated fatty acids
18	<i>cis</i> -11-octadecenoic	Cis-vaccenic	15	Common in bacteria, minor acid in most animal and plant lipids
20	<i>cis</i> -11-eicosenoic	Gondoic	24	In fish oils and rape seed oil
22	<i>cis</i> -13-docosenoic	Erucic	34	Major component of rapeseed oil and oils of <i>Cruciferae</i> family, small amounts in animal tissues and fish oil.