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Fatty acid sources "Eicosanoid" (eicosa-, Greek for "twenty"; see icosahedron) is the collective term for straight-chain polyunsaturated fatty acids (PUFAs) of 20 carbon units in length that have been metabolized or otherwise converted to oxygen-containing products. Fatty acids, or fatty acid residues when they are part of a lipid, are a diverse group of molecules synthesized by chain-elongation of an acetyl-CoA primer with malonyl-CoA or methylmalonyl-CoA groups in a process called fatty acid synthesis. Many diseases, including arthritis are caused by chronic low-grade inflammation. It is now widely accepted that some foods fuel inflammation, while others make it better. Bile acids are amphipathic molecules that were previously known to serve as fat solubilizers in the intestine in postprandial conditions. In the last two decades, bile acids have been recognized as signaling molecules regulating energy metabolism pathways via, amongst others, the farnesoid X receptor (FXR)., Medicinal Fatty Acids In Inflammation Progress In Inflammation Research.

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