

Oxidation of fatty acids with an odd number of carbons

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This article has been translated from WikiSkripta; ready for the **editor's review**.

In addition to AcCoA, **propionyl-CoA** is also formed by oxidation of odd-chain fatty acids. This is first **carboxylated to methylmalonyl-CoA**, which is converted to **succinyl-CoA** - an intermediate of the **Krebs cycle**. Through conversion to oxaloacetate, it can participate in **gluconeogenesis** - glucose can be synthesized from these fatty acids. However, very few fatty acids with an odd number of carbon atoms are found in the body.

Links

Related Articles

- Oxidation of very long chain fatty acids
- Oxidation of unsaturated fatty acids
- Regulation of beta-oxidation of fatty acids
- Lipid breakdown and ketone body metabolism

Source

Fontana J., Trnka J., Maďa P., Ivák P. et al.: Transformation of substances and energy in the cell. In: Functions of cells and the human body : Multimedia scripts. Available online from: [1] (<http://fbt.cz/skripta/ii-premena-latek-a-energie-v-bunce/>)