

Fatty acid metabolism

Sections/problems listed with an asterisk (*) do not discuss the exact reaction indicated, but do discuss a closely related reaction.

Fatty acid degradation

- Acyl CoA synthetase (EC 6.2.1.1) [Section 12.3B](#)*
- Carnitine acyltransferase (EC 2.3.1.21) [Section 12.3C](#)*
- Acyl CoA dehydrogenase (eg. EC 1.3.99.13) [Section 16.5C](#), [Section 17.3C](#)
- Enoyl CoA hydratase (E.C. 4.2.1.74) [Section 14.1B](#)
- 3-hydroxyacyl CoA dehydrogenase (EC 1.1.1.35) [Section 16.4B](#)*
- *beta*-keto thiolase (EC 2.3.1.16) [Section 13.4B](#)
- *cis*-Enoyl-CoA isomerase (eg. EC 5.3.3.8) [Section 13.2C](#)
- 2,4-Dienoyl CoA reductase (EC 1.3.1.34) [Section 16.5D](#)
- Glycerol phosphate dehydrogenase (EC 1.1.1.8) [Section 16.4D](#)

Fatty acid biosynthesis

- acetyl CoA carboxylase (EC 6.4.1.2) [P13.2](#)
- acyl CoA synthetase([EC 6.2.1.1](#)) [Section 12.3B](#)
- ACP transacylase (EC 2.3.1.38) [Section 12.3D](#)
- *beta*-ketoacyl-ACP synthase (EC 2.3.1.41) [Section 13.5C](#)
- *beta*-ketoacyl-ACP hydrogenase ([EC 1.1.1.35](#)) [Section 16.4B](#)*
- 3-hydroxyacyl dehydratase ([EC 4.2.1.58](#)) [Section 14.1B](#)
- enoyl-ACP reductase ([EC 1.3.1.10](#)) [Section 16.5A](#)

- acyl-CoA dehydrogenase ([EC 1.3.99.3](#)) [Section 16.5A,B,C](#)
- monoacylglycerolacyltransferase ([EC 2.3.1.22](#)) [Section 12.3C](#)

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