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# 3-Hydroxybutyrate

National Cancer Institute

## Source

National Cancer Institute. *3-Hydroxybutyrate*. NCI Thesaurus. Code C120003.

A hydroxy fatty acid anion and ketone body synthesized in the liver from acetyl-Coenzyme A (acetyl-CoA) by the enzyme 3-hydroxybutyrate dehydrogenase. 3-hydroxybutyrate can be used as an energy source when glucose levels drop. Elevated urine and serum levels of 3-hydroxybutyrate are seen in ketosis and ketoacidosis.