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2-Hydroxybutyrate

National Cancer Institute

Source

National Cancer Institute. *2-Hydroxybutyrate*. NCI Thesaurus. Code C120002.

A hydroxy fatty acid anion and conjugate base of 2-hydroxybutyric acid. 2-Hydroxybutyrate is a metabolite produced by the conversion of cystathionine to cysteine in the glutathione biosynthesis pathway. The amount of 2-hydroxybutyrate secreted in the urine can reflect changes in the rate of glutathione synthesis, which is altered by oxidative stress or toxin exposure.