

[Open Peer Review on Qeios](#)

# Alpha-Hydroxyglutarate

National Cancer Institute

## Source

National Cancer Institute. *Alpha-Hydroxyglutarate*. NCI Thesaurus. Code C116390.

The base form of alpha-hydroxyglutaric acid, which is an intermediate in the synthesis of alpha-ketoglutaric acid. Alpha-hydroxyglutarate accumulates in the blood of patients with 2-hydroxyglutaric aciduria; an organic acid metabolism disorder, which is caused by the genetic mutation of one of the enzymes responsible for the conversion of 2-hydroxyglutaric acid to alpha-ketoglutaric acid.