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# Alpha-D-Glucopyranose Monohydrate

National Cancer Institute

## Source

National Cancer Institute. *Alpha-D-Glucopyranose Monohydrate*. NCI Thesaurus. Code C61629.

The monohydrate form of the alpha isoform of D-glucopyranose, a synthetic simple monosaccharide that is used as an energy source. D- glucopyranose is oxidized in various tissues under either aerobic or anaerobic conditions through glycolysis; the oxidation reaction produces carbon dioxide, water, and ATP.