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Oxidoreductase

National Cancer Institute

Source

National Cancer Institute. *Oxidoreductase*. NCI Thesaurus. Code C16946.

The class of all enzymes catalyzing oxidation-reduction reactions (EC class 1). The substrate that is oxidized is regarded as a hydrogen donor. The systematic name is based on donor: acceptor oxidoreductase. The recommended name will be dehydrogenase, wherever this is possible; as an alternative, reductase can be used. Oxidase is only used in cases where O₂ is the acceptor. (Enzyme Nomenclature, 1992, p9)