

Enzyme Glucose oxidase

Systematic name β -D-glucose:oxygen 1-oxidoreductase

IUBMB nomenclature Glucose oxidase

CAS number 9001-37-0

IUBMB number EC 1.1.3.4

EC number 232-601-0

Synonyms

- glucose oxyhydrase; corylophyline; penatin; glucose aerodehydrogenase; microcid; β -D-glucose oxidase; D-glucose oxidase; D-glucose-1-oxidase; β -D-glucose:quinone oxidoreductase; glucose oxyhydrase; deoxin-1; GOD

Properties β -D-glucose + O₂ = D-glucono-1,5-lactone + H₂O₂