

Enzyme Data

BCC-Nr.	094
Enzyme	Alcohol Oxidase OX1
EC-No.	1.1.3.13
T_{opt}	30 °C
pH_{opt}	8.5
Stability	Stable at -20 °C
KM (mM)	0.44 4-hydroxy-2-butyral; 3.0 methanol; 10.0 2-propin-1-ol
Activity and substrate specificity	Butynediol: oxidized to mechanism based irreversible inactivator: 4-hydroxy-2-butyral. Formaldehyde to Formate. 2-propyn-1-ol and methylene cyclopropyl alcohol are not suicide substrates
Application	Determination, oxidation of primary alcohols
Commentary	Inhibitors: Ag ⁺ , Cu ²⁺ , cyclopropanone
Formulation	In glycerol or lyophilized