

Enzyme Data

BCC-Nr.	101
Enzyme	Alcohol Dehydrogenase – R2
EC-No.	1.1.1.2
T _{opt}	30 °C
pH _{opt}	7.5
Stability	Stable at -20 °C
KM (mM)	0.08 2,4-pentadion, 0.34 4-Cl-acetophenone at 30 °C, 0.21 NADPH at 30 °C and pH 7.5
Activity and substrate specificity	Very broad substrate specificity: aliphatic, cyclic and aromatic ketones, diketones and keto acid esters
Application	Synthesis of enantiomerically pure alcohols with R-configuration
Commentary	Enzymatic catalysis in organic solvents, very stable
Formulation	In glycerol or lyophilized