

Enzyme Data

BCC-Nr.	107
Enzyme	Alcohol Dehydrogenase – S3
EC-No.	1.1.1.1
T _{opt}	30 °C
pH _{opt}	6.0
Stability	Stable at -20 °C
KM (mM)	0.1 p-Cl-(S)-phenylethanol, 0.2 p-Cl-acetophenone
Activity and substrate specificity	Very broad aliphatic, cyclic and aromatic ketones, diketones and keto acid esters, ketones with bulky chains such as acetophenone, ring-halogenated acetophenones or pinacolone
Application	Synthesis of enantiomerically pure alcohols with S-configuration
Commentary	Enzymatic catalysis in organic solvents, very stable. Medium-chain alcohol dehydrogenase
Formulation	In glycerol or lyophilized