

Enzyme Data

| | |
|------------------------------------|--|
| BCC-Nr. | 109 |
| Enzyme | Alcohol Dehydrogenase – S10 |
| EC-No. | 1.1.1.1 |
| | |
| T _{opt} | 30 °C |
| pH _{opt} | 8.0 |
| | |
| Stability | Stable at -20 °C |
| KM (mM) | 0.01 NAD ⁺ , 0.1 NADH |
| Activity and substrate specificity | Cyclic and aromatic ketones, diketones and keto acid esters, ketones with bulky chains such as acetophenone, ring-halogenated acetophenones, acetaldehyde, butanon, 2-propanon, hexanal, 2-hexanon |
| Application | Synthesis of hydroxy compounds, stable in organic solvents |
| Commentary | Enzymatic catalysis in organic solvents |
| Formulation | In glycerol or lyophilized |