Supporting Information

Efficient production of enantiomerically pure chiral amines at concentrations of 50g/L using transaminases

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Enantiomeric excess of methylbenzylamine was determined by normal phase high performance liquid chromatography (HPLC) at 220 nm using an Agilent 1100 series HPLC and a Chiralpak OD-H (250 x 4.6 mm) column with a flow rate of 1 mL/min (90% hexanes / 10% 2-propanol) for 12 minutes. The retention times of the (S)- and (R)-enantiomer were 8.7 minutes and 7.2 minutes respectively. Specific rotation of the methylbenzylamine product was established by comparison to known standards that were purchased from Sigma.
HPLC Chromatograms of racemic, R- and S-methylbenzylamine