

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

Stereoselective Synthesis of Butenolide and Butyrolactone Derivatives

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Abstract: Optically active butenolide and γ -butyrolactone derivatives were prepared by removing (R)-phenyl glycinol and (1R, 2R)-norpseudoephedrine used as chiral auxiliaries from butenolides and γ -butyrolactones in two steps. The structures of these products were determined using ^1H NMR, ^{13}C NMR, Mass spect., IR and microanalysis.

Turk. J. Chem., **24**, (2000), 185-190.

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