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1. Barton, D. H. R.; Yadav-Bhatnagar, N.; Finet, J.-P.; Khamsi, J. *Tetrahedron Lett*. **1987**, *28*, 3111–3114.
2. Katritzky, A. R. *Handbook of Organic Chemistry*; Pergamon Press: Oxford, 1985; pp. 5386.
3. Smith, D. H.; Masinter, L. M.; Sridharan, N. S. In *Heuristic DENDRAL: Analysis of Molecular Structure*; Wipke, W. T.; Heller, S. R.; Feldmann, R. J.; Hyde, E., Eds. Computer representation and manipulation of chemical information. John Wiley: New York, 1974; pp. 287–298.
4. Cato, S. J. Ph.D. Thesis, University of Florida, 1987.

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Submissions from the Americas, Professor K. Burgess, Department of Chemistry, Box 30012, Texas A&M University, College Station, TX 77841-3012, USA (regular mail) or Department of Chemistry, Room 14, Texas A&M University, College Station, TX 77842-3255, USA (express mail). Fax: +1 979 845 8839; e-mail: burgess@tamu.edu

All other submissions, Professor S. G. Davies, Dyson Perrins Laboratory, South Parks Road, Oxford OX1 3QY, UK. Fax: +44 (0) 1865 275633; e-mail: asymm@chemistry.ox.ac.uk

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Tetrahedron: Asymmetry *8 (1997) 3387*

The use of lithium (α-methylbenzyl)allylamide for the asymmetric synthesis of unsaturated β-amino acid derivatives

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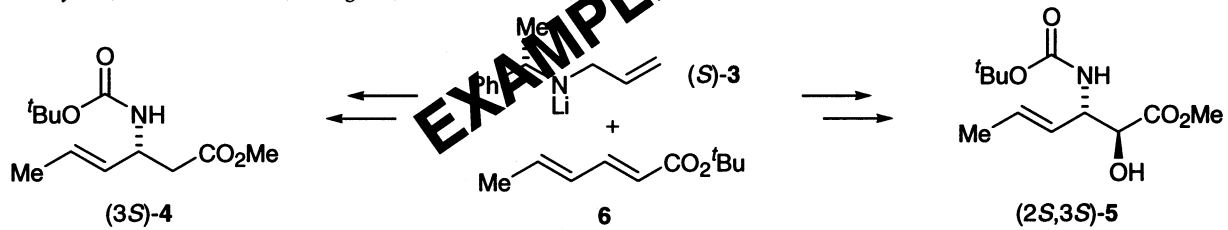

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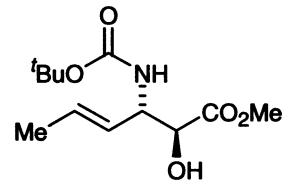

EXAMPLE

$C_{12}H_{21}NO_5$

Methyl (2*S*,3*S*)-(*E*)-3-(*N*-*tert*-butoxycarbonyl)amino-2-hydroxyhex-4-enoate

Ee = 100%
$[\alpha]_D^{24}$ = +15.5 (*c* 1.50, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*S*)

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