

TETRAHEDRON: ASYMMETRY

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COMMUNICATIONS provide rapid publication of important new contributions; they must be no longer than four printed pages (including artwork) and should not contain an experimental section. A statement should be included concerning the characterisation of new compounds.

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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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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@chem.ox.ac.uk

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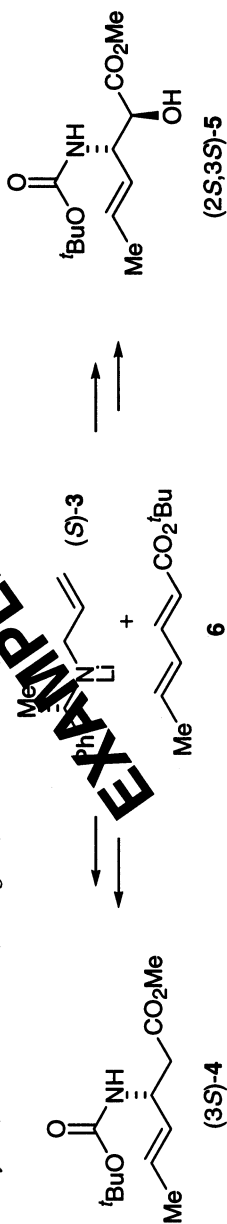
The use of lithium (α -methylbenzyl)allylamide for the asymmetric

synthesis of unsaturated β -amino acid derivatives

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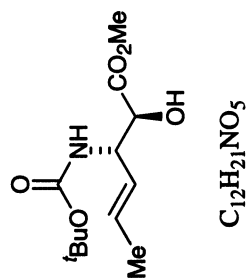
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S. G. Davies,* D. R. Fenwick and O. Ichihara



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*)

EXAMPLE

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