

# TETRAHEDRON: ASYMMETRY

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Please follow these instructions carefully to ensure that the review and publication of your paper is as swift and efficient as possible. These notes may be copied freely.

*Tetrahedron*: Asymmetry publishes communications, articles and reports on all aspects of asymmetry in organic, inorganic, organometallic, physical and bioorganic chemistry.

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.

ARTICLES describe original research of high quality and timeliness in the field of asymmetry.

REPORTS reviewing topics of current relevance will generally be specially commissioned; however, suggestions for topics and authors are welcomed by the Editors.

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*Abstract*: Authors must include a short abstract that states briefly the purpose of the research, the principal results and major conclusions. References and compound numbers should not be mentioned in the abstract unless full details are given.

*Text*: Text should be subdivided in the simplest possible way consistent with clarity. Headings and subheadings should reflect the relative importance of the sections, and all headings should be numbered. Ensure that all tables, figures and schemes are cited in the text in numerical order. The preferred position for chemical structures should be indicated. Trade names should have an initial capital letter, and trademark protection should be acknowledged in the standard fashion, using the superscripted letters TM and R for trademarks and registered trademarks, respectively. All measurements and data should be given in SI units where possible, or other internationally accepted units. Abbreviations should be used consistently throughout the text, and all nonstandard abbreviations should be

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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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Table 1. This is the table caption

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Rigaudy, J.; Klesney, S. P. *IUPAC Nomenclature of Organic Chemistry*; Pergamon Press: Oxford, 1979.

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**Submissions from Japan and other Asian countries,** Professor T. Hayashi, Department of Chemistry, Faculty of Science, Kyoto University, Kyoto 606, Japan. Fax: +81 75 753 3988; e-mail: [thayashi@kuchem.kyoto-u.ac.jp](mailto:thayashi@kuchem.kyoto-u.ac.jp)

**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](mailto: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@chem.ox.ac.uk](mailto:asymm@chem.ox.ac.uk)

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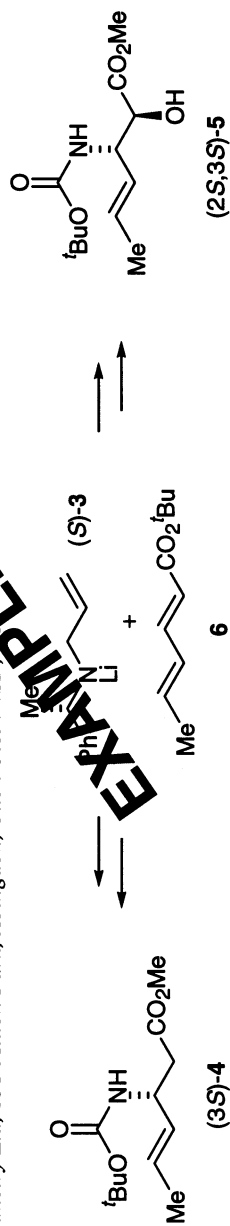
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Graphical abstracts

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The use of lithium ( $\alpha$ -methylbenzyl)allylamide for the asymmetric synthesis of unsaturated  $\beta$ -amino acid derivatives  
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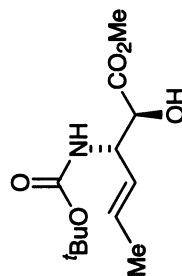
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S. G. Davies,\* D. R. Fenwick and O. Ichihara



C<sub>12</sub>H<sub>21</sub>NO<sub>5</sub>

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

**EXAMPLE**

Ee = 100%

$[\alpha]_D^{24} = +15.5$  (c 1.50, CHCl<sub>3</sub>)

Source of chirality: asymmetric synthesis

Absolute configuration: (2*S*,3*S*)

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