

TETRAHEDRON: ASYMMETRY

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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.

Journal policy

The language of submission is English. Papers are submitted on the understanding that the subject matter has not been previously published and is not being submitted elsewhere. Authors must accept full responsibility for the factual accuracy of the data presented and should obtain any authorization necessary for publication. All papers are sent to referees who advise the Editor on the matter of acceptance in accordance with the high standards required. Referees' names are not disclosed, but their views are forwarded by the Editor to the authors for consideration. Authors are encouraged to suggest the names of suitable referees.

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Graphical abstract: Authors must supply a graphical abstract when the paper is first submitted. The abstract should summarize the contents of the paper in a concise, pictorial form useful for rapid scanning of the journal. The manuscript title, authors and affiliations should be identical to those in the main paper. An example can be found in the journal following these instructions. Please note that graphical abstracts must fit within the area shown in the example.

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Title: The title should be brief, specific and rich in informative words; it should not contain any literature references or compound numbers.

Authors and affiliations: Where possible, supply given names, middle initials and family names for complete identification. Use superscript lower case letters to indicate different addresses, which should be as detailed as possible, and must include the country name. The corresponding author should be indicated with an asterisk, and contact details should be placed in a footnote. Information relating to other authors (e.g. present addresses) should be placed in footnotes indicated by the appropriate symbols (see below).

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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References: In the text references should be indicated by superscript Arabic numerals which run consecutively through the paper and appear after any punctuation; ensure that all references are cited in the text and vice versa. The reference list should contain only literature references; other information (e.g. experimental details) should be placed either within the body of the text, or as a footnote to the text. Each reference should contain only one literature citation. Authors are expected to check the original source reference for accuracy. Journal¹ titles should be abbreviated according to American Chemical Society guidelines. Inclusive pagination is strongly recommended. Book references²⁻³ should cite author(s), chapter title (if applicable), editor(s), book title, edition/volume, publisher location, publisher name, date and pages. Examples, including a thesis citation,⁴ are shown below.

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.

X-Ray crystallographic data: Prior to submission of the manuscript, the author should deposit crystallographic data for organic and metal-organic structures with the Cambridge Crystallographic Data Centre. The data, without structure factors, should be sent by e-mail to: deposit@ccdc.cam.ac.uk, as an ASCII file, preferably in CIF format. Hard copy data should be sent to CCDC, 12 Union Road, Cambridge CB2 1EZ, UK. A checklist of data items for deposition can be obtained from the CCDC Home Page on the World Wide Web (<http://www.ccdc.cam.ac.uk/>) or by e-mail to: fileserv@ccdc.cam.ac.uk, with the one-line message, sendme checklist. The data will be acknowledged, within three working days, with one CCDC deposition number per structure deposited. These numbers should be included with the following standard text in the manuscript: Crystallographic data (excluding structure factors) for the structures in this paper have been deposited with the Cambridge Crystallographic Data Centre as supplementary publication numbers CCDC..... . Copies of the data can be obtained, free of charge, on application to CCDC, 12 Union Road, Cambridge CB2 1EZ, UK [fax: +44(0)-1223-336033 or e-mail: deposit@ccdc.cam.ac.uk]. Deposited data may be accessed by the journal and checked as part of the refereeing process. If data are revised prior to publication, a replacement file should be sent to CCDC.

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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

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@chem.ox.ac.uk

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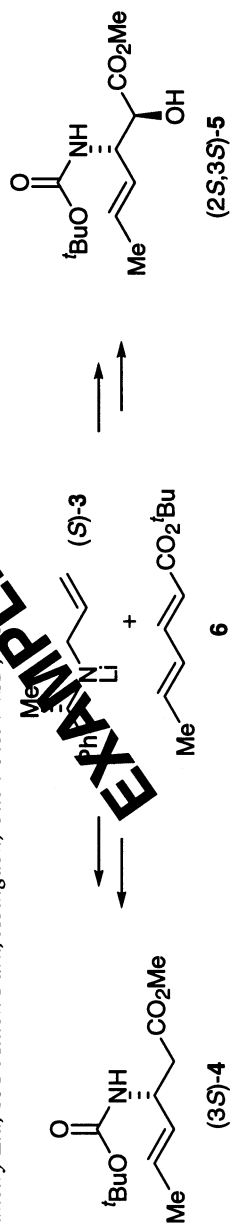
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The use of lithium (α -methylbenzyl)allylamide for the asymmetric synthesis of unsaturated β -amino acid derivatives
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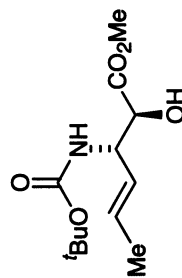
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Stereochemistry abstracts

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



C₁₂H₂₁NO₅

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, CHCl₃)

Source of chirality: asymmetric synthesis

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

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