*Bioorganic & Medicinal Chemistry Letters*
**Instructions to Contributors**

***Note:* Bioorganic & Medicinal Chemistry Letters *authors are no longer required to format their manuscripts for camera-ready reproduction. Templates for the new style are available to assist with manuscript preparation at http://www.scripps.edu/chem/boger/***

*Bioorganic & Medicinal Chemistry Letters* publishes experimental or theoretical research results of outstanding significance and timeliness in the fields of bioorganic chemistry, medicinal chemistry, bioinorganic chemistry, and related disciplines. Articles are in the form of communications reporting experimental or theoretical results of special interest.

**Journal policy**

The language of submission is English. All papers are submitted to referees who advise the Editor on the matter of acceptance with the understanding that the subject matter has not been previously published and is not under consideration elsewhere. Referees will be asked to distinguish contributions having an element of novelty, timeliness, and urgency that merits publication in rapid communication format from otherwise meritorious work that is more appropriately suited for publication in complete form with full experimental details. Referee names are not disclosed, but their views are forwarded by the Editor to the authors for consideration. Authors accept full responsibility for the factual accuracy of the data presented and should obtain any authorisation necessary for publication. Authors are encouraged to suggest names of several experts in the field when papers are first submitted or at any time in the evaluation process.

**Manuscript preparation**

*General requirements:* The article including artwork can be no longer than four printed pages and the approximate maximum word count per page is 700 words. Manuscripts should be printed on one side of the page only, using black type on good quality white paper. Pages must be numbered. The corresponding author's full mailing address, phone and fax numbers and e-mail address should be included. The manuscript should be compiled in the following order: Title, Authors, Affiliations, Abstract, Text, Acknowledgements, References and Notes, Captions, Tables, Figures, Schemes.

*Templates:* The use of the template is optional. Use of the template is recommended to ensure correct sizing of graphics and to ensure the manuscript fits within four pages. The template may be downloaded from the following website: http://www.scripps.edu/chem/boger/.

*Graphical abstract:* Authors must supply a graphical abstract when the paper is first submitted. The abstract should summarise 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. Graphical abstracts must fit within the area shown in the example.

*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 lowercase 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 (fax, e-mail) may 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 should not be mentioned in the abstract unless full details are given.

*Text:* Text should either not be subdivided or done so in the simplest possible way consistent with clarity. Headings should be used sparingly. Common headings such as 'Introduction' and 'Results and Discussion' should not be used, as the text within these sections should be self explanatory. As such, the publisher recommends that only the 'Acknowledgements' and 'References and Notes' headings be used. In the introductory section of the communication, the author should strive to define the significance of the work and the justification for its rapid publication. 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 characters ™ and ® for trademarks and registered trademarks, respectively. All measurements and data should be given in SI units where possible, or other internationally accepted units. Authors are requested to draw attention to hazardous materials or procedures by adding the word **CAUTION** followed by a brief descriptive phrase and literature references if appropriate. The experimental information should be as concise as possible, while containing all the information necessary to guarantee reproducibility.

*Abbreviations:* Standard ACS abbreviations should be used throughout the manuscript and are employed

without periods. The preferred forms for some of the more commonly used abbreviations are: mp, bp, °C, K, min, h, mL, μL, g, mg, μg, cm, mm, nm, mol, mmol, μmol, M, mM, μM, ppm, HPLC, TLC, GC, $^1$H NMR, GC-MS, MS, HRMS, FABHRMS, UV, IR, EPR, ESR, DNase, $ED_{50}$, $ID_{50}$, $IC_{50}$, $LD_{50}$, im, ip, iv, mRNA, RNase, rRNA, tRNA, cpm, Ci, dpm, $V_{max}$, $K_m$, $k$, $t_{1/2}$. All nonstandard abbreviations should be defined following the first use of the abbreviation. For a detailed listing of standard abbreviations, see: *The ACS Style Guide*; American Chemical Society: Washington, DC, 1997.

*References and Notes:* In the text, references should be indicated by superscript Arabic numerals which run consecutively through the paper and appear after any punctuation. Please ensure that all references are cited in the text and vice versa. The reference list should preferably contain only literature references though other information (e.g. experimental details) can be placed in this section. Preferably, each reference should contain only one literature citation. Authors are expected to check the original source reference for accuracy. Journal titles should be abbreviated according to American Chemical Society guidelines (*The ACS Style Guide*; Dodd, J. S., Ed.: American Chemical Society: Washington, DC, 1997). Formatting for common references are shown below.

Scientific articles:

1. Barton, D. H. R.; Yadav-Bhatnagar, N.; Finet, J.-P.; Khamsi, J. *Tetrahedron Lett*. **1987,** *28,* 3111.

Books:

2. Doe, J. S.; Smith, J. J. In *Medicinal Chemistry*; Roe, P., Ed.; Pergamon: Oxford, 1990; Vol. 1, pp 301–383.

Patent/Chem. Abstr:

3. Lyle, F. R. U.S. Patent 6,973,257, 1995; *Chem. Abstr*. **1995**, *123*, 2870.

Meeting Abstract:

4. Prasad, A.; Jackson, P. *Abstracts of Papers, Part 2*, 212th National Meeting of the American Chemical Society, Orlando, FL, Aug 25–29, 1996; American Chemical Society: Washington, DC, 1996; PMSE 189.

*Footnotes:* Footnotes should appear at the bottom of the appropriate page and be indicated by the following symbols: *, †, ‡, §, ¶, ||.

**Tables**

All tables should be cited in the text, and numbered in order of appearance with Arabic numerals. All table columns should have a brief explanatory heading and where appropriate, units of measurement. *Vertical lines should not be used*. Footnotes to tables should be typed below the table and should be referred to by superscript letters.

**Artwork**

Figures, schemes and equations must be cited in the text and numbered in order of appearance with Arabic numerals. Other graphics, such as structures, do not need to be numbered, but please indicate in the text where these are to appear. All graphics (including chemical structures) must be provided at the actual size that they are to appear (single-column width is 8.4 cm, double-column width is 17.7 cm). Please arrange schematics so that they fill the column space (either single or double), so as not to leave a lot of unused white space. Please ensure that all illustrations within a paper are consistent in type, quality and size. Captions should not be included as part of the graphic; instead all captions should be supplied at the end of the text. Reagents and conditions (unless incorporated into the actual schematic) should also be provided as text. All graphics must be labelled with the figure or scheme number, and the corresponding author's name.

To help authors provide actual size graphics, it is suggested that the following settings be used with CSC ChemDraw™ and ISIS Draw™: font 10 pt Helvetica, chain angle 120°, bond spacing 18% of length, fixed length 14.4 pt (0.508 cm), bold width 2.0 pt (0.071 cm), line width 0.6 pt (0.021 cm), margin width 1.6 pt (0.056 cm), and hash spacing 2.5 pt (0.088 cm). Compound numbers should be in boldface. With these settings, to ensure a proper size, the graphic must be printed at 70%. In order to accurately design schematics to print out at the proper width with the reduction, the original drawing cannot exceed a column width of 12.0 cm (for single column) and 25.0 cm (for double column). To produce a double column width landscape mode will need to be used. Layout design is facilitated if authors submit their original artwork in the actual size to be published.

*Photographs:* Four sets of original photographs should be supplied; please note that photocopies of photographs are not acceptable.

*Colour:* Colour figures may be printed in the journal at no charge to the author, provided that the Editor considers the colour necessary to convey scientific information. Colour figures should be supplied in hardcopy ready for reproduction and sized to fit a single-column (8.4 cm) or double-column (17.5 cm) presentation.

**Journal conventions**

*Nomenclature:* It is the responsibility of the authors to provide correct nomenclature. Chemical names for drugs are preferred. If these are not practical, generic names, names approved by the U.S. Adopted Names Council, or those approved by the World Health Organization may be used. If a generic name is used, its chemical name or structure should be provided at the point of first citation. Authors will find the following as useful reference books for recommended nomenclature.

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

*Enzyme Nomenclature*; Webb, E. C., Ed.; Academic: Orlando, 1984.

*Biochemical Nomenclature and Related Documents*; The Biochemistry Society: London, 1978.

*The ACS Style Guide*; Dodd, J. S., Ed.; American Chemical Society: Washington, DC, 1997.

*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. Hardcopy 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.

*Biological data:* Biological test methods must be referenced or described in sufficient detail to permit the experiments to be repeated by others. Standard compounds and established drugs should be tested in the same system for comparison. Statistical limits (statistical significance) for the biological data are usually required. If statistical limits cannot be provided, the number of determinations and an indication of the variability and reliability of the results should be given. Doses and concentrations should be expressed in molar quantities when comparisons of potencies are made with compounds having substantial differences in molecular weights. For inactive agents, the highest concentration or dose level tested should be indicated. For optically active substances, the optical purity should be clearly documented (% ee, % de), especially for the less active or inactive enantiomers or diastereomers. In such instances, the optical purity must be documented (% ee, % de) in a way that distinguishes or accommodates potential contamination by the most active enantiomer.

*Structural data:* Atomic coordinates for structures of biological macromolecules determined by X-ray, NMR, or other methods should be deposited with the Protein Data Bank (PDB), Chemistry Department, Brookhaven National Laboratories, Upton, Long Island, New York 11973. It is the responsibility of the author to obtain a file name for the macromolecule; the file name must be referenced in the manuscript. Manuscripts will be sent out for review only after receiving a written statement from the author that the coordinates will be deposited. If a manuscript is accepted for publication, and the PDB file name has not yet been obtained, it must be added prior to publication. Upon written request by the author, the PDB will refer requests for coordinates to the originating author, but one year after publication, they will be made generally available upon request. Please address all inquiries about depositing to the PDB.

*Software:* Software used as part of computer-aided drug design (e.g. molecular modelling, QSAR, conformational analysis, molecular dynamics) must be specified and should be readily available from accepted sources or the authors may specify where specialised software can be obtained. Assurance of the quality of the parameters employed for the relevant potential functions should be detailed in the manuscript.

**Copyright guidelines**

All authors must sign the 'Transfer of Copyright' agreement before the article can be published. This transfer agreement enables Elsevier Science Ltd to protect the copyrighted material for the authors, but does not relinquish the author's proprietary rights. The copyright transfer covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microfilm or any other reproductions of similar nature and translations, and includes the right to adapt the article for use in conjunction with computer systems and programs, including reproduction or publication in machine-readable form and incorporation in retrieval systems. Authors are responsible for obtaining from the copyright holder permission to reproduce any figures for which copyright exists. Please note that photocopied signatures are not acceptable. Transfer of copyright agreement forms will be sent to the corresponding author following acceptance of the manuscript.

**Submission of manuscripts**

The original and three copies of the manuscript, including the graphical abstract, should be sent to the appropriate editorial office (see below). To achieve rapid publication authors are encouraged to fax or preferably e-mail their submission to the Editor at the time that they mail the manuscript; the date of submission will be taken as the date of fax or e-mail. The corresponding author's full mailing address, phone and fax numbers, and e-mail address should be supplied to aid rapid communication. Papers sent to the wrong Regional Editor will be forwarded to the appropriate Editor as determined by the permanent address of the corresponding author.

*Disk submission:* When a manuscript has been accepted for publication by the editorial office, authors are requested to also supply their paper and graphical abstract in electronic format on disk. Please give full details of operating system, programs used, number of files sent, and information contained in each file. It is essential that the file on disk and the accepted printout are identical.

*Text*: We can accept most word-processing formats but prefer Microsoft Word: IBM or Macintosh. Most formatting codes will be removed or replaced on processing the article so there is no need to use excessive layout styling. In addition, do not use options such as automatic word breaking, justified layout, double-

columns, automatic paragraph numbering (especially for numbered references) or EndNote. However, do use bold face, italic, subscripts, superscripts, etc. Do not embed the figures into the text file.

*Graphics*: Computer-generated illustrations, halftones and line/tones should also be provided where possible. The following points should be taken into consideration when preparing electronic graphic files: Tagged Image File Format (TIFF) or Encapsulated PostScript (EPS) files are preferred. Suggested packages for line graphics are ChemDraw, Adobe Illustrator (version 3.0 or above), Freehand and Corel Draw. Graphics created in WordPerfect and Word generally have too low a resolution for our requirements. Files of scanned line graphics can be accepted at a minimum resolution of 1000 dpi, for scanned halftones, 300 dpi, and scanned line/tones, 500 dpi. Colour should be scanned at 300 dpi (500 dpi for colour line/tones).

*Since we cannot guarantee the usability of graphic files, hardcopies of all illustrations must accompany the accepted printout of the manuscript in all cases.*

**Submissions from Japan and other Asian countries**: Professor Masakatsu Shibasaki, Regional Editor, *Bioorganic & Medicinal Chemistry Letters,* Graduate School of Pharmaceutical Sciences, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan.
Facsimile: (81) 3 5684 5206
Telephone: (81) 3 5684 0651
E-mail: bmcbmcl@mol.f.u-tokyo.ac.jp

**Submissions from Europe**: Professor Léon Ghosez, Regional Editor, *Bioorganic & Medicinal Chemistry Letters,* Laboratoire de Chimie, Organique de Synthèse, Université Catholique de Louvain, Place L. Pasteur 1, B-1348 Louvain-la-Neuve, Belgium.
Facsimile: (32) 10 47 29 44
Telephone: (32) 10 47 27 82
E-mail: vanlierde@chim.ucl.ac.be

**Submissions from USA, Canada, and all others:** Professor Dale L. Boger, Editor-in-Chief, *Bioorganic & Medicinal Chemistry Letters,* Department of Chemistry, BCC483A, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, California 92037, USA.
Facsimile: (1) 858-784-7550
[Facsimile: (1) 800-410-1557 toll-free from USA and Canada]
Telephone: (1) 858-784-7525
E-mail: bmc-bmcl@scripps.edu

**Proofs**
Proofs will be despatched via e-mail or fax by the publisher and should be returned with corrections as quickly as possible, normally within 48 hours of receipt.

**Reprints**
The corresponding author will be sent 25 free reprints. Additional reprints can be ordered when the paper is accepted. Correspondence regarding reprints should be directed to: The Author Services Department, Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK.

**Page charges**
None.

**Corrections**
If errors of consequence are in a published paper, a correction of the error should be sent to the Editor for publication in the journal.