[1]Boldface numbers indicate appropriate volume; lightface numbers indicate pagination.

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INSTRUCTIONS TO AUTHORS

Molecular Pharmacology will publish the results of investigations that shed significant light on drug action or selective toxicity at the molecular level. The term "drug" is defined broadly to include chemical agents that selectively modify biological function.

Suitable papers are those which describe applications of the methods of biochemistry, biophysics, genetics, and molecular biology to problems in pharmacology or toxicology. Also suitable are reports of fundamental investigations which, although not concerned directly with drugs, nevertheless provide an immediate basis for further study of the molecular mechanism of drug action. Observations of phenomena that shed no light upon underlying molecular interactions are not regarded as appropriate for publication.

Specific areas of interest include: stereochemical, electronic, and other parameters of drug architecture; conformational analysis of receptors and their function; drug-enzyme and other interactions between drugs and macromolecules; drug effects upon gene replication and transcription and on protein synthesis; mechanism of action of antibiotics and other growth-inhibitory drugs; induction by drugs of changes in macromolecular structure or allosteric transitions; drug-induced alterations in metabolic pathways; effects of hormones and other drugs on cellular regulatory mechanisms; chemical mutagenesis, carcinogenesis, and teratogenesis; pharmacogenetics, idiosyncrasies, and drug allergies; selective toxicity in a single organism or in different species; drug actions on properties and functions of membranes; mechanisms of drug metabolism; distribution and transport of drug molecules between biological compartments.

"Short Communications" will be considered for rapid publication if their subject matter lies within the scope of the Journal, if they are concise, and if they are considered to be of sufficiently immediate importance to the work of other investigators to justify accelerated publication. They may contain experimental observations, theoretical material, or significant comment upon published investigations.

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Certain conventions must be observed. Chemical and mathematical formulas and abbreviations should follow the *Instructions to Authors of the Journal of Biological Chemistry* (Vol. 255, pp. 1–11, January 10, 1980). Drugs must be referred to by their generic or chemical names throughout the text, but may be identified by trade name in parentheses or a footnote. The systematic name and number given by the Commission on Enzymes of the International Union of Biochemistry should be included for each enzyme of importance in a paper, at the point in the Summary or Introduction where the enzyme is first mentioned. The use of abbreviations should be minimized and abbreviations avoided in the Summary. All essential abbreviations should be defined in a single footnote when first introduced. Abbreviations of journal names should conform to the style of *Biological Abstracts*. References to papers that have been accepted for publication, but have not appeared, should be cited like other references with the abbreviated name of the journal followed by the words "in press." Copies of such papers should be sent whenever the findings described in them have a direct bearing on the paper being submitted for publication. "Personal Communications" and "Unpublished Observations" should be cited in footnotes to the text and should not be included in the reference list.

A manuscript should include the following, in the order listed: (1) Title. Numbered footnotes to the title should be avoided; acknowledgment of financial support should be given in an unnumbered footnote to the title. (2) Names of authors, their laboratory and institution. (3) A running title, not exceeding 60 characters and spaces. (4) Summary preceded by authors' names and title of article. For example:

SUMMARY

DAIRMAN, W., AND S. UDENFRIEND. Studies on the mechanism of the L-3,4-dihydroxyphenylalanine-induced decrease in tyrosine hydroxylase activity. *Mol. Pharmacol.* 8:293–299 (1972).

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releasing receptor: the pyroglutamic acid moiety. *Mol. Pharmacol.* 13:606–614 (1977). 2. Sandler, M. Variations in monoamine oxidase activity in some human disease states, in *Monoamine Oxidase and Its Inhibition.* Ciba Foundation Symposium 39. Elsevier, Amsterdam, 327–340 (1976) (7). Footnotes, numbered according to order of appearance in the text. (8) Tables. (9) Figures. (10) Legends to figures. (11) Name and address of person to receive galley proof.

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