

Preface

The Third Edition of Pharmaceutical Manufacturing Encyclopedia contains descriptions of manufacturing processes, structural formulas, trade names, therapeutic functions, and other information on 2266 pharmaceuticals now being marketed as trade-named products in America and many other countries. Information on 1295 pharmaceuticals has been taken from the Second Edition of the *Pharmaceutical Manufacturing Encyclopedia* (Marshall Sittig, Noyes Publications, Westwood, New Jersey, USA, 1986). Information on 971 additional pharmaceuticals, including those approved by the U.S. Food and Drug Administration (FDA) since 1986, are included in the *Encyclopedia* as well.

The *Encyclopedia* comprises 4 volumes:

Volume 1: A through B

Volume 2: C through G

Volume 3: H through P

Volume 4: Q through Z, and the Raw Materials and Trade Names Indexes.

The pharmaceuticals are listed in alphabetical order.

INFORMATION SOURCES USED

For the Second Edition, a variety of sources were used to identify the patents associated with particular commercial products and to serve as a source of process information. The sources included the following:

Merck Index: followed by a citation of the entry number in the Tenth (1983) Edition.¹

DFU: The periodical publication, *Drugs of the Future*,³ published by Prous Science.

DOT: The periodical publication, *Drugs of Today*,⁴ published by Prous Science.

Kleeman & Engel: The encyclopedic German work, *Pharmazeutische Werkstoffe*,⁵ second revised edition published in 1982.

OCDS: The 3-volume reference series, *The Organic Chemistry of Drug Synthesis*.⁷

In addition, sources of pharmacological data and comparative information on trade names used in various countries were obtained from:

REM: *Remington's Pharmaceutical Sciences*.⁹

Nonproprietary Name Index: The nonproprietary name index published by Paul de Haen.¹¹

I.N.: The biannual Swiss publication, *Index Nominum*.¹²

PDR: The guide to commercially available U.S. drugs, the *Physicians' Desk Reference*.¹³

For the Third Edition, a number of new and updated sources were used, including the latest edition of The Merck Index.² Extensive use has been made of the US, British, German, and world patent literature with regard to the process information. In addition, a variety of sources were used to identify the patents associated with particular commercial products and to serve as a source of process information. These include the encyclopedic German work *Pharmazeutische Wirkstoffe* (4th edition), edited by A. Kleeman and J. Engel,⁶ and the 6-volume reference series on the *Organic Chemistry of Drug Synthesis* by Daniel Lednicer⁸ and references [10] through [14] below.

In addition to the patent-derived process information, references to major pharmaceutical reference works where additional information can be obtained on synthesis methods and the pharmacology of the individual products are also cited under each drug entry.

Pharmacological data and comparative information on trade names used in various countries were obtained from *Organic-Chemical Drugs and Their Synonyms*, 8th ed., by M. Negwer and H.-G. Scharnow.¹⁵

July 2006

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