

Preface to the third edition

For many years, the second edition of “Pharmazeutische Wirkstoffe” has been out of print and colleagues and friends have asked and plagued us to publish a new edition. Everyone who has ever prepared a similar reference book knows how much energy and enthusiasm has to be put into such a task besides the “daily job” in industry. After some hesitation we finally decided to prepare the new edition, in English. Two fortunate circumstances made things a lot easier.

Firstly, Mr. Willi Plein brought us into contact with Dr. H.-G. Scharnow of the FIZ CHEMIE BERLIN¹⁾, who was interested in preparing the new edition as an electronic version by making use of their specialised know-how and self-developed software. With this technology we were able to transform greater parts of the second edition, especially the formula drawings, into the new electronic version – thereby establishing an innovative method of book production, making future new editions much easier to prepare, and also enabling the publisher to offer a CD-ROM version. The FIZ CHEMIE team was successful in attracting the BMBF²⁾ for this interesting project and luckily received generous financial support.

Secondly, we persuaded the young colleagues Prof. Dr. Bernhard Kutscher and Dr. Dietmar Reichert to take responsibility as “junior authors” for this book. About a quarter of the workload for this volume was done by them and furthermore they have the capability and talent to contribute to future editions – if hopefully necessary.

The purpose and object of this book are to establish a link between INN’s³⁾, structure, synthesis and production processes, patent (and literature) situation, medical use and trade names of important pharmaceuticals.

This volume contains a collection of 2171 active pharmaceutical ingredients, which are listed alphabetically according to their INN’s. Often there are still other Generic Names in use, for example BAN⁴⁾, DCF⁵⁾, USAN⁶⁾, which are added in brackets under the INN’s and are listed in the index. In addition to the foregoing editions, we have added the molecular formulas and molecular weights as well as the CAS Registry Numbers⁷⁾ and – where available – the ATC Code Numbers⁸⁾, the EINECS numbers⁹⁾, and data for

acute toxicology as well as pharmaceutical dosage forms. In the last section of each monograph, the trade names in the six most important markets are listed. The trade names were taken from the relevant reference books on pharmaceutical specialities^{10) 11) 12)}.

Within the 16 years since the second edition, respectively 11 years since the supplement volumes were published, many changes have occurred. Companies disappeared or were acquired and the trade names of many products were changed. Some products were withdrawn from the market, either as mono drugs or combinations. In such cases, we added “w f m” behind the trade name, when we felt that we should not eliminate

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³⁾ INN = International Nonproprietary Names; synonymous with “Generic Names”

⁴⁾ BAN = British Approved Name

⁵⁾ DCF = Dénomination Commune Française

⁶⁾ USAN = United States Adopted Name

⁷⁾ CAS = Chemical Abstracts Service

⁸⁾ ATC = Anatomic Therapeutic Chemical (Classification of Drugs)

a) ATC Index, WHO Collaborating Center for Drug Statistics Methodology, Oslo 1997

b) European Drug Index, N. F. Miller, R. P. Dessing, 4th ed., Deutscher Apotheker Verlag Stuttgart 1997

⁹⁾ EINECS = European Inventory of Existing Chemical Substances

¹⁰⁾ “WDI, World Drug Index” – database, Derwent Information, 1998

¹¹⁾ “MDDR”-database, Drug Data Report, Prous Science, MDL, San Leandro, 1998

¹²⁾ Speciality lists for

D: “Rote Liste 2000”, Hrsg. Bundesverband der Pharmazeutischen Industrie e.V., Frankfurt/M.

“List of Pharmaceutical Substances”, 10. edition,

ABDATA Pharma-Daten-Service, Eschborn, March 1997

F: “Dictionnaire VIDAL 1998” OUP, Paris

GB: “MIMS” (Monthly Index of Medical Specialities), Haymarket Publishing Services Ltd., London 1998

I: “L’Informatore Farmaceutico”, 58. edit., Organizzazione Editoriale Medico Farmaceutico srl, Milano 1998

J: a) “Japta List” 1987, Japanese Drug Directory, 3rd ed., Tokyo 1987

b) Drugs in Japan/Ethical Drugs 1970, 10, ed. by Japan Pharmaceutical Information Center, Tokyo, Japan

USA: “PDR, Physicians Desk Reference”, 52. edition, 1998; Medical Economics Comp., Montvale, N. J.

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The authors