

studies in organic chemistry, 11

FLAVONOIDS AND BIOFLAVONOIDS, 1981

edited by

L. FARKAS

F. KÁLLAY

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FLAVONIDS AND BIOFLAVONIDS, 1981

PROCEEDINGS OF THE INTERNATIONAL BIOFLAVONOID
SYMPOSIUM

(6TH HUNGARIAN BIOFLAVONOID SYMPOSIUM)

MUNICH, FRG, SEPTEMBER 6-9, 1981

Edited by

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- Volume 11 Flavonoids and Bioflavonoids, 1981, edited by L. Farkas, M. Gábor, F. Kállay and H. Wagner

PREFACE

Organic chemists, phytochemists, biochemists and pharmacologists from fifteen countries met in Munich, FRG, to listen to 50 lectures, to exchange ideas and to share experiences in the field of current researches on flavonoid compounds. The meeting was organised by the *Institut für Pharmazeutische Biologie der Universität München*, the *Work-Committee for Flavonoid Research of the Hungarian Academy of Sciences*, and the *Gesellschaft für Arzneipflanzenforschung*, FRG.

This volume reports recent research results, the main topics being — as for similar symposia held periodically in Hungary — the isolation, structure elucidation and synthesis of new natural flavonoids; novel synthetic methods for preparing flavonoid and chromone derivatives of medicinal interest; the biosynthesis, degradation and possible roles of flavonoids in plants; flavonoids and chemical plant taxonomy; and their actions, metabolism, and conversions in the animal and human organism.

Renowned scientists from nearly all major schools of international flavonoid research have contributed to these topics, each in his own special field, so that the Proceedings provide an up-to-date survey of present knowledge.

The purpose of this volume, with its camera-ready form of presentation, is to make this valuable material rapidly available to all researchers, particularly those unable to attend the Symposium, who are interested in any aspect of the chemistry and biochemistry of flavonoids and related compounds.

It is the Editors' duty to acknowledge with gratitude the financial support provided by the *Deutsche Forschungsgemeinschaft* and several pharmaceutical and chemical firms in the FRG, which greatly helped the organization of the Symposium.

The Editors

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OPENING ADDRESS

by

PROF. Dr. H. WAGNER

Ladies and Gentlemen,

On behalf of the organizing committee and the organizing societies, I would like to welcome you heartily to our sixth International Bioflavonoid Symposium.

This is the first time that a Bioflavonoid Symposium will take place outside Hungary. Therefore I want to express my sincere thanks first to all the Hungarian colleagues who are attending and the Hungarian authorities, who have agreed this year to translocate this traditionally Hungarian symposium to Munich. Our hearty thanks to Prof. Farkas and to the President of the Society of Medicinal Plant Research, Prof. Sticher, for their encouragement to organize this symposium in Munich and for their constant interest. With the same emphasis I would like to thank all, who, by their generous financial support, have made it possible that so many Hungarian colleagues and plenary lecturers from overseas could be invited to participate in this symposium.

Primarily, I wish to offer my thanks to the German Research Foundation, to a number of pharmaceutical and chemical firms, to the Society of Medicinal Plant Research, to the Mayor of Munich, and last but not least, to the Bavarian Prime Minister, Dr. Strauß, who has undertaken the patronage of this International Symposium.

Ladies and Gentlemen,

In spite of the fact that the first chemical studies of flavonoids go back to the turn of the present century, and that the first biological activity of some flavonoids was established about forty years ago, the field of flavonoids has never lost its immediacy and importance as a research topic.

Today, we observe an increasing interest, a renaissance, in this group of natural products, principally in the fields of pharmacology and therapy.

This symposium has been organized to survey the most important results of the research activities in this field during the last four or five years. It is anticipated that this symposium will give us the opportunity to discuss the possible trends for further research in this field, and it is self-evident that this

symposium is an ideal occasion for experts in this field to exchange their varied experiences.

Overall, however, you should not forget that this symposium takes place in the lovely city of Munich, which greets you with its charm and "Gemütlichkeit".

In this sense I wish all of the participants a meaningful, enjoyable and interesting stay.

ADDRESS OF WELCOME

by

PROF. Dr. L. FARKAS

Ladies and Gentlemen,

Many words would not suffice to express the pleasure that I feel in being able to greet you on behalf of the Work-Committee for Flavonoid Research of the Hungarian Academy of Sciences; so I shall restrict myself to just a few words.

First I extend a hearty welcome to each and every participant of this Symposium. It is good to see here the regular attendees of the series of our Hungarian Flavonoid Symposia; and it is also nice to see new members, which reflects the increasing interest in the research and uses of flavonoid compounds.

Appreciation must go first of all to our German colleagues who have undertaken the burden of organizing this meeting. The Hungarian Symposia have thus been elevated to a higher international level, and we could wish for nothing else than to ensure the happy cooperation of all nations in our branch of science.

I might now speak about the fascinating features of flavonoid chemistry and biochemistry; but these are well known to you. I could speak of the great and celebrated people whose names have been and are associated with the research on these natural compounds; however, you also know all of them.

So let me simply conclude by offering you my best wishes for a useful and interesting meeting – and for a pleasant time at this international, and effectively Sixth Hungarian Bioflavonoid Symposium.

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