



CABLE : USAID THAILAND

U.S. INTERNATIONAL DEVELOPMENT COOPERATION AGENCY
USAID THAILAND
BANGKOK, THAILAND

PD - ABE - 920
124 79922

5/22/85
September 23, 1986

TELEPHONE: 252-8191-9

✓ PDC
AMB/PD Officer & File

Mr. Wanchai Sirirattna
Director-General
Department of Technical and
Economic Cooperation
Krung Kasem Road
Bangkok

Dr. Natth Bhamarapavati
Rector
Mahidol University
2 Prannok Road
Bangkok Noi, Bangkok

Subject: Research Proposal C7-169
"Sulfonamide Drugs as a Male Antifertility Agent"
Grant No. 936-5544-G-00-6105-00

Dear Mr. Wanchai and Dr. Natth:

I am pleased to inform you that pursuant to the authority contained in the Foreign Assistance Act of 1961, as amended, the Government of the United States of America, acting through the Agency for International Development (hereinafter referred to as AID) hereby grants to the Royal Thai Government, acting through the Department of Technical and Economic Cooperation (hereinafter referred to as Grantee) the sum of (not to exceed) One Hundred Fifty Thousand US Dollars (\$150,000) to provide support for the proposed research as outlined in Attachment 2.

This Grant results from the submission of the proposal by Dr. Chumpol Pholpramool, Associate Professor, Department of Physiology Faculty of Science, Mahidol University, as the Principal Investigator and Dr. Lawrence M. Lewin, Professor, Department of Chemical Pathology, Sackler School of Medicine, Tel Aviv University, Sheba Medical Center, Israel, as the Co-principal Investigator. AID's Office of The Science Advisor to the Administrator in Washington, D.C., has concurred with the potential usefulness of this research and has authorized funds to enable Dr. Chumpol, Dr. Lewin and their colleagues to undertake the proposed research.

This Grant is effective and obligation is made as of the date of this letter and shall apply to commitments made by the Grantee in furtherance of program objectives during the period beginning with the date of this letter through December 31, 1989. Mahidol University will act on behalf of the Department of Technical and Economic Cooperation on all matters concerning the administration of this Grant.

This Grant is made to Mahidol University on condition that the funds will be administered in accordance with the terms and conditions as set forth in Attachment 1, the Schedule; Attachment 2, entitled "Research Proposal"; and Attachment 3, entitled "Standard Provisions".

Please sign the original and four copies of this letter in the space provided below to acknowledge your acceptance. Kindly keep one copy for your file, forward one copy to the grant recipient, and return the remaining copies to AID.

Sincerely yours,

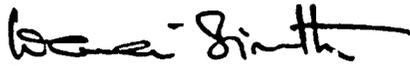


John R. Eriksson
Director

Attachments:

1. Schedule
2. Research Proposal
- ~~3. Standard Provisions~~
- ~~4. Status of Funds (Report)~~

Accepted on behalf of the
Royal Thai Government



Mr. Wanchai Sirirattana
Director-General
Department of Technical
and Economic Cooperation

Acknowledged on behalf of
Mahidol University



Dr. Natth Bhamarapavati
Rector
Mahidol University

7

FISCAL DATA

Obligation Number: 6361569

Appropriation: 72-1161021.6

Budget Allotment Code: DDAA-86-10600-DG11
(646-36-099-00-19-61)

Project Title: Innovative Scientific Research
Project

Total Obligated Amount: US\$ 150,000

Project No.: 936-5544

Funding Source: AID/W (per 86 STATE 285693)

O/FIN: Funds Availability:

 9/22/86

Ronald Hammersley
Deputy Controller

11/2 9/23/86

SCHEDULE

A. Purpose of Grant

The purpose of this Grant is to provide support for a research project entitled "Sulfonamide Drugs as a Male Antifertility Agent", as more specifically described in Attachment 2.

B. Period of Grant

The effective date of this Grant is September 23, 1986. The expiration date of this Grant is December 31, 1989.

C. Amount of Grant and Payment

1. AID hereby obligates the amount of \$150,000 for purposes of this Grant.

2. Payment shall be made to the Grantee in accordance with procedures set forth in Attachment 3, Standard Provisions, Article 14 entitled "Payment".

D. Financial Plan

The following is the Financial Plan for this Grant:

<u>Cost Element</u>	<u>Thailand</u>	<u>Israel</u>
1. Salary	20,390	18,900
2. Equipment	22,500	9,900
3. Material and Supply	20,510	26,500
4. Travel : Local and International	3,000	11,295
5. Center Research Facility Cost	6,900	4,725
6. Other costs:		
Spectroscopic services	700	-
Photocopying & Books	1,000	1,050
Publishing costs	-	1,050
Miscellaneous	-	1,580
	<u>75,000</u>	<u>75,000</u>
	=====	=====

GRAND TOTAL U.S.\$ 150,000

It is understood that per diem rates paid or reimbursement will not exceed AID per diem rates for international travel and RTG or DTEC per diem rates for local travel in Thailand by Thai research personnel, and Israeli official per diem rates for local travel in Israel by Israeli research personnel.

4

E. Reporting and Evaluation

1. **Progress Reports:** Interim progress reports are required every six months (6 copies to Office of Science and Technology, USAID, Bangkok for distribution to AID Washington) except for the last six month period which will be pre-empted by a final report. Interim report objectives are to keep the Project Manager and AID/SCI informed that research is proceeding in accordance with the agreement or to document changes in the research plan. Substantive scientific input should be included when there is something significant to report. The first report should reconfirm dates of the reporting schedule and to request any administrative changes that should be made in the agreement. Progress reports should be in English. For this project these reports are due within thirty days following periods ending April 30, 1987; October 31, 1987; April 30, 1988; October 31, 1988; April 30, 1989; October 30, 1989.

2. **Final Report:** The Principal Investigator should submit a final report in fifteen copies, if possible, no later than the completion date of the project which currently is estimated as December 31, 1989. The report should be sufficiently detailed to substantiate findings and to permit scientific evaluation of research. The Principal Investigator is encouraged to share a draft report with the AID Project Officer for comment prior to formal submission.

F. Special Provision

1. This Grant is given to permit Dr. Chumpol and Dr. Lewin to undertake the research outlined in Attachment 2 entitled "Research Proposal". It is understood that Dr. Chumpol will be the Principal Investigator, and Dr. Lewin will be the Co-principal Investigator, and will be given full authority by Mahidol University to carry out the research.

2. Local cost financing of wages, salary, per diem, local transportation, international travel and procurement of small value indigenous and imported shelf items is authorized.

3. Conference attendance. The Grantee shall prepare and submit a detailed proposed schedule or agenda to AID for approval for any conference, workshop, symposium or seminar before a trip is arranged. It is understood that attendance at conference, workshops, symposia or seminars should be relevant to the purposes of the research undertaken.

G. Authorized Geographic Code

The authorized geographic code for procurement of goods and services under this Grant is Code 935.

H. Delegation of Authority

It is agreed that Mahidol University will act on behalf of the Department of Technical and Economic Cooperation on all matters concerning the administration of this Grant.

5

RESEARCH PROPOSAL

DESCRIPTION:

The overall aim of this project is to develop effective methods which can be used in investigating the manner in which sulfanamide compounds exert a contraceptive effect in males, and then to use these methods to evaluate the antifertility action of an array of sulfanamide drugs and their analogs.

The specific objectives involve:

- 1) the standardization of suitable methods for evaluating reproduction functions in the male. Particular emphasis will be placed on finding appropriate methods which are applicable both in man and rats and most practical for use in Thailand.
- 2) the application of these developed methods for testing prospective sulfonamide derivatives with potential antifertility activity as well as investigating the mode of action of the test compounds in the reproductive system of male rats.