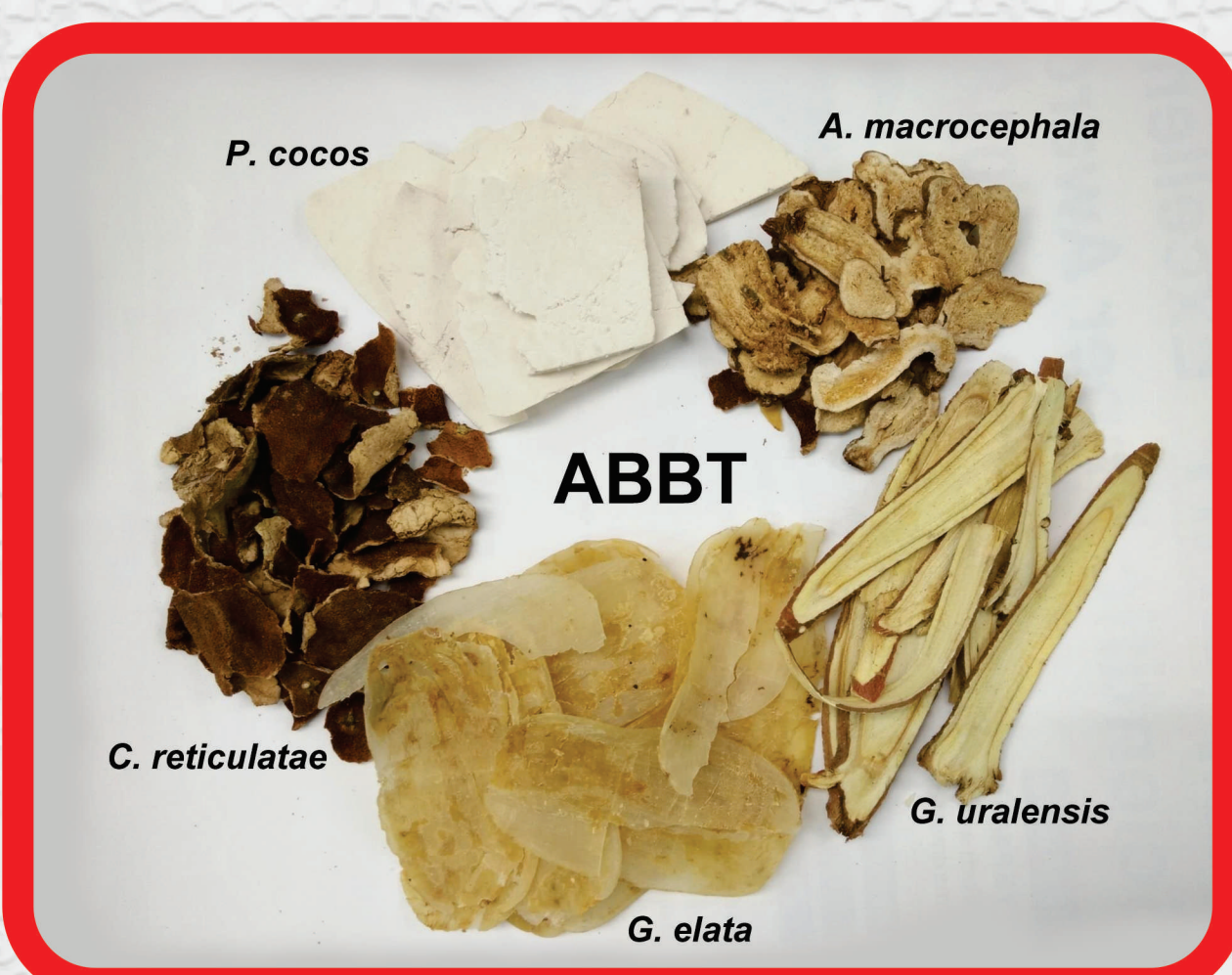




Researchers:
DR. YAM MUN FEI
Dr. Tan Chu Shan
Dr. Loh Yean Chun
Professor Mohd Zaini Asmawi
Assoc. Prof. Mariam Ahmad

Multi-pathway Anti-Hypertensive Agent: ABBT

▶ TRADE SECRET



Introduction

- ABBT contains *G. elata*, *A. macrocephala*, *G. uralensis*, *P. cocos*, and *C. reticulatae* and was proven to be experimentally successful and could potentially be an effective anti-hypertensive drug for future use on humans.

Problem Statement

- Hypertension is one of the major health concerns that are associated with various concomitant diseases as well as complications in kidney and cardiovascular.
- Although synthetic anti-hypertensive drugs are widely available in the market, drugs tolerances are reported for monotherapies, and even more reports concerning their adverse effects.
- Hence, the current study aims to establish a new anti-hypertensive formula by applying a new syndromic-disease combination theory of Traditional Chinese medicine.

Inventiveness and Novelty

- ABBT is a new evidence-based anti-hypertensive formula in compliance with Traditional Chinese Medicine Syndromatic Theory.
- This evidence-based finding will greatly enhance the overall landscape of complementary medicine and boast the growth of herbal medicine industry in Malaysia to compete in the international stage.

Intellectual Property Status

- Trade Secret Protection under USM

Usefulness and Application

- Unlike conventional anti-hypertensive drugs that only utilizes single pathways, ABBT is able to employ multiple pathways when exerting vasodilatory effect such as through NO/sGC/cGMP cascade and PGI₂, followed by muscarinic pathways and calcium channels.
- ABBT is a potential candidate for replacing current anti-hypertensive drugs with no reported side effects or damage to internal organs.

Status of Invention

- The formula is ready for commercialization and can be made into various form of products such as pellets, capsules, tea bags, sachets and decoction.

Commercial Potential

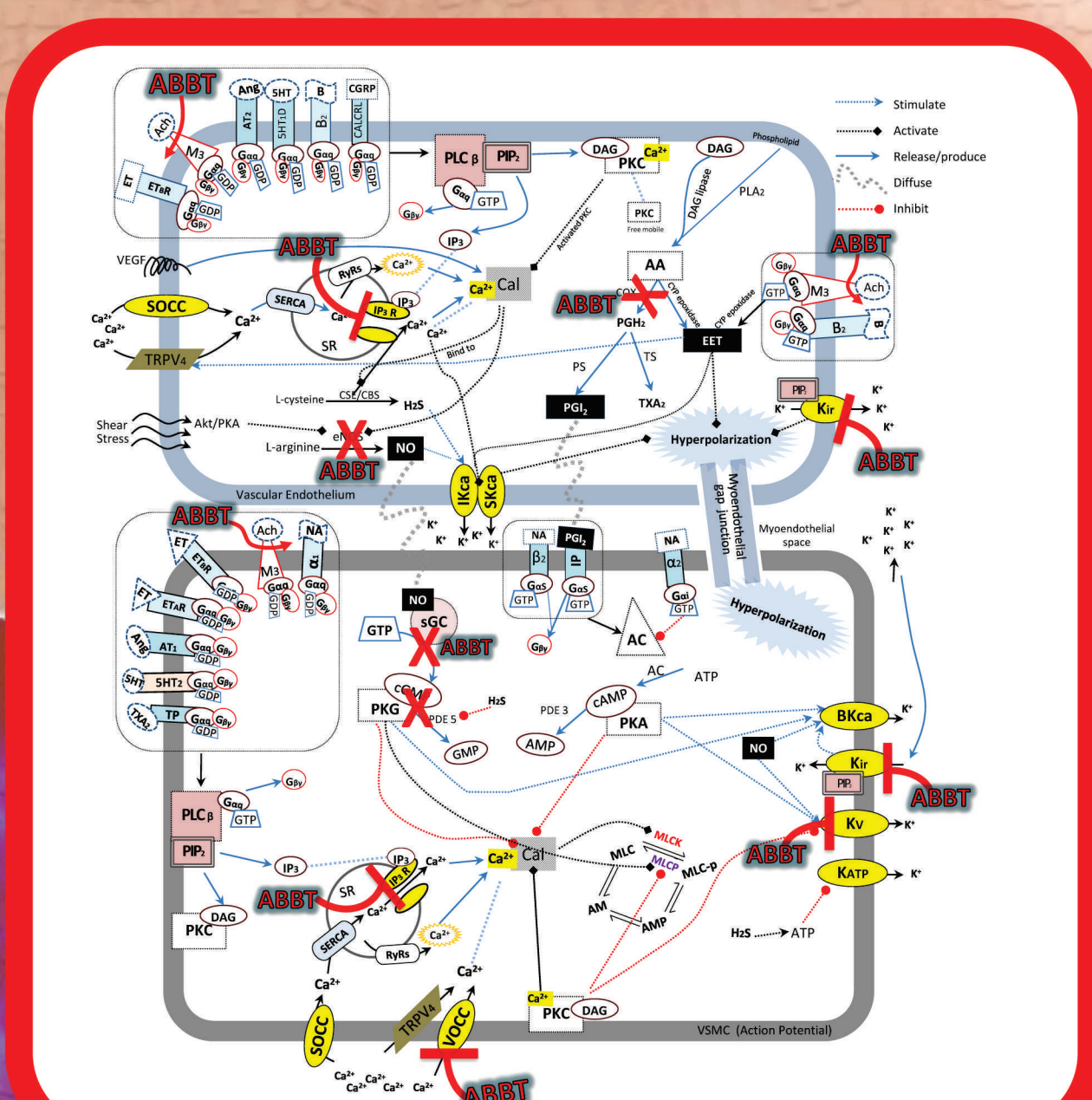
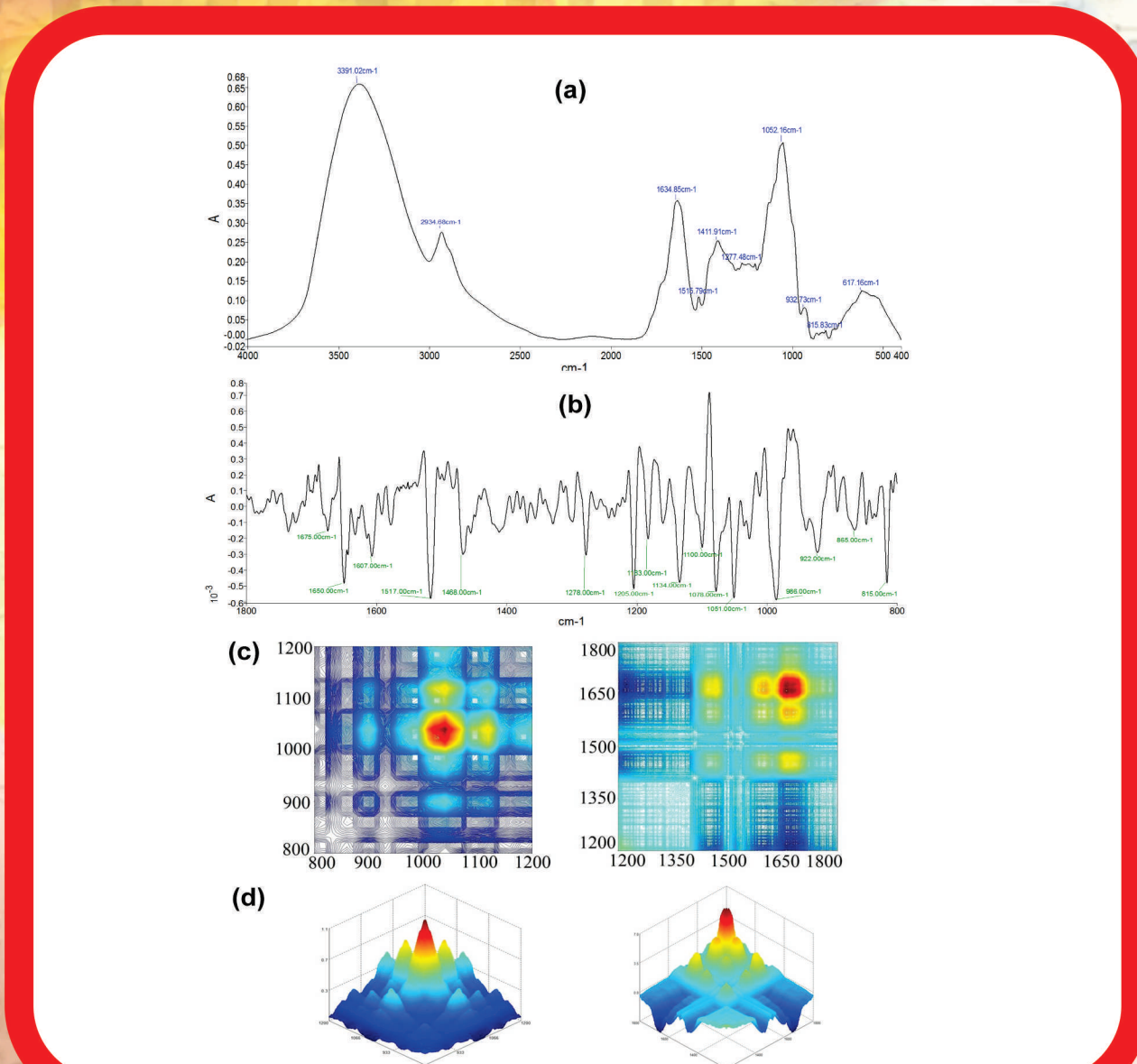
- ABBT has immense commercialization potential with a wide market demand as rate of hypertension in the general population keeps rising.
- ABBT provides affordable price which can serve the society.

Potential Partners

- Pharmaceutical companies such as EMAN Biodiscoveries Sdn. Bhd.

Knowledge Management

- This product is financially support by RUI 1001/PFARMASI/812195.
- Outputs: Scientific Publication (3 ISI Journals, 1 Scopus Journal)



Contact Person:
DR. YAM MUN FEI

School of Pharmaceutical Sciences, Main Campus
Universiti Sains Malaysia, Penang, MALAYSIA

Tel: +604-653 4586 Fax: +604-657 0017 E-mail: yammunfei@yahoo.com