

Create the future value of Korean Medicine

NIKOM

National Development Institute of Korean Medicine



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The Mecca of Korean Medicine

JKTM

KOTMIN

**NIKOM
HISTORY**

2012. 05

Launching of the Medicinal Crop Seeds Supply Center and Animal Testing Center

2009. 12

Designated as a medicinal ingredient quality testing institution (Korea Food & Drug Administration)

2009. 03

Opening of JKTM

2008. 01

Appointment of the 1st President, Cho Jeong Hee

2007. 11

Establishment of JKTM

2014. 10

Appointment of the 4th President, Shin Heung Mook

2011. 12

Changing of Corporate Name to the Korea Promotion Institute for Traditional Medicine Industry

2009. 04

Designation of Medicinal Herbs Quality Certification Center as an institution for the testing of medicinal herbs

2008. 12

Establishment of the Daegu Gyeongbuk Institute for Promotion of Korea Traditional Medicine Industry (Hwarang-ro, Gyeongsan-si, Gyeongsangbuk-do)

2008. 06

Establishment of Medicinal Herbs Quality Certification Center (Namseong-ro, Jung-gu, Daegu)

2007. 04

Appointment of the 1st President, Lee Kil Young

2006. 08

Appointment of the 1st Chairman, Kim Yong Dae

2006. 07

Establishment of Daegu Gyeongbuk Institute for Promotion of Korea Traditional Medicine Industry

2017. 02

Designation as public institution

2016. 08

Designation of the Quality Certification Center as a testing institution for pharmaceuticals

2016. 02

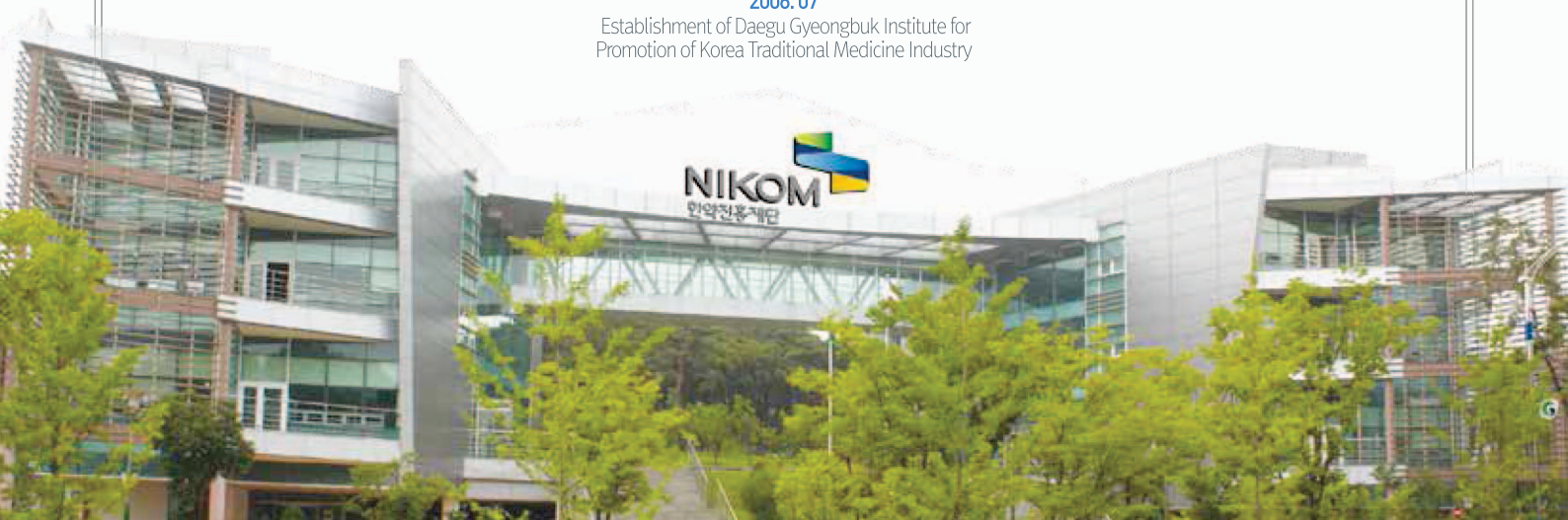
Launching ceremony for NIKOM

2016. 01

Appointment of the 1st President, Shin Heung Mook

2015. 11

Permit obtained for the establishment of NIKOM (Ministry of Health and Welfare)





Create the future value of Korean medicine. Enhancing public health and globalizing the Korean medicine industry



NIKOM is playing a central role in the standardization, scientification, and globalization of Korean medicine.

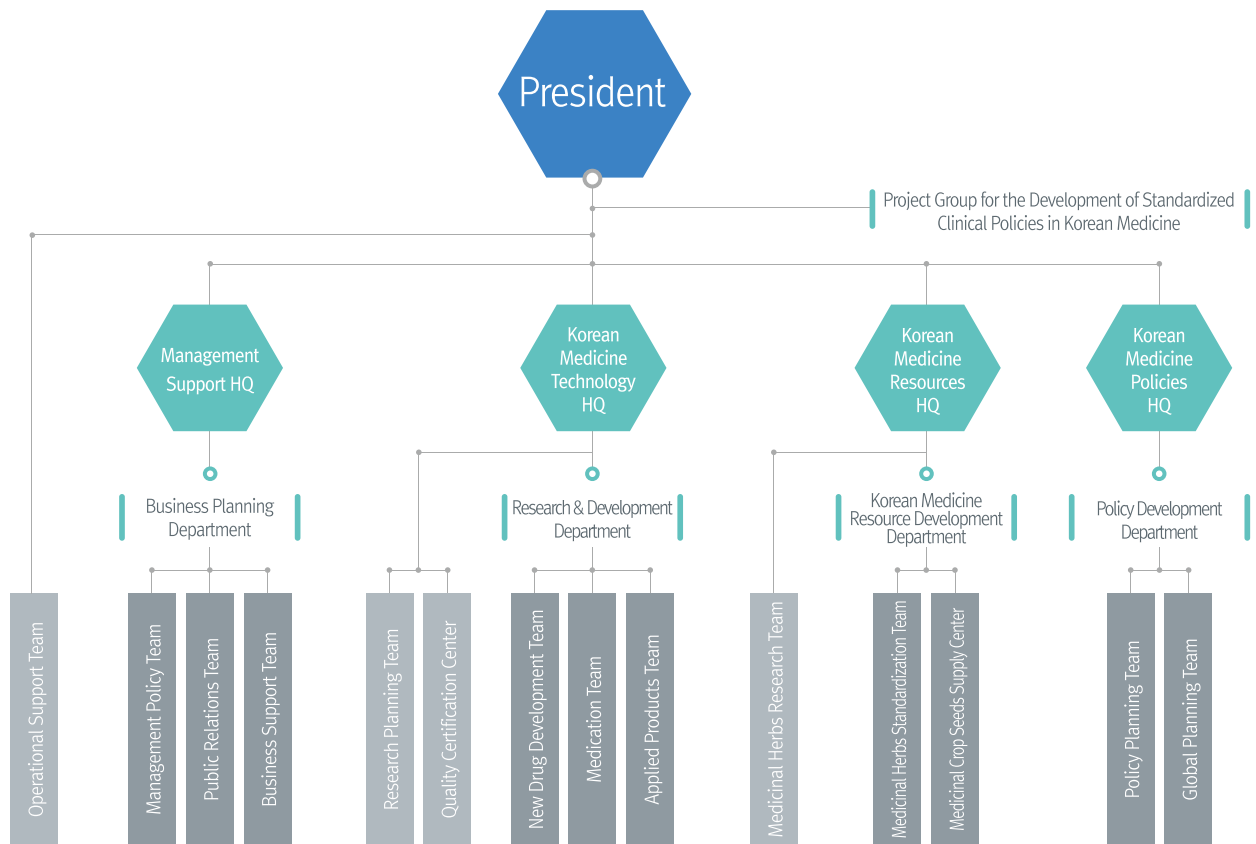
The clinical practice over thousands of years is historical evidence on the effectiveness and safety of Korean medicine. There has been an increase in both interest and demand due to its strengths in preventing and treating chronic and incurable diseases plaguing our aging society. In accordance with this trend, NIKOM not only provides support for activities such as policy development, system improvements, and the advancement of Korean medicinal resources but we are doing our best to increase convenience in carrying and taking Korean medicine through the development of modern forms. Moreover, we are also devoted to developing revolutionary new drugs which will target diseases such as diabetes, atopy, high blood pressure, etc.

Recently, we are responding to the fourth industrial revolution by creating service innovations in the Korean medicine through projects such as the digitization of clinical practice information utilizing AI based on big data. Furthermore, we will continue strive in being the leaders of public health and globalization of Korean medicine by creating future value for Korean medicine through the establishment of public infrastructures such as production (GMP) and toxicity testing facilities (GLP) to produce Korean medicines for clinical trials.

We ask for your continued interest and support.

President of NIKOM Shin, Heung Mook

4 headquarters, 4 departments, 2 centers, 12 teams, 1 project group



Introduction of NIKOM

Mission and Vision

- ▶ **Mission** Contribute to the healthy lives of citizens and to the national economy through the development of Korean medicine and promotion of the industry
- ▶ **Vision** The leading institution for the promotion of the Korean medicine industry creating the future value of Korean medicines

Strategic Goals



Direction of Implementation

Citizens

- Usage of Korean medicine services with high quality and low costs
- Manufacture and supply of excellent Korean medicines

Korean Medicine Industry

- Expansion of public health services using Korean medicine
- Reinforcement of Korean medicines' safety and effectiveness
- Provision of advanced medical services using Korean medicine

Industrial Sector

- A comprehensive support channel for companies, support for the vitalization of the Korean medicine market
- Development and support for specialized local industries

Government

- Support for government policy planning, coordination of the development of the Korean medicine industry
- Support for the globalization of Korean medicine, improvement of related legislation and systems

Branch (Seoul)

Location 12F, Namsan Square, 173, Toegye-ro,
Jung-gu, Seoul

Key Functions

- Policy Support
 - Analysis and improvement of policies for the development of the Korean medicine industry
 - Expansion of health insurance coverage
 - Analysis of trends in the Korean medicine industry, etc.
- Reinforcement of international competitiveness for Korean medicine
 - Pursuit of globalization for Korean medicine
 - Global PR activities for Korean medicine
- Project Group for the Development of Standardized Clinical Policies in Korean Medicine
 - Development and distribution of standardized clinical policies for Korean medicines
 - Establishment of an integrated information center

Branch (Jangheung, Jeollanam-do)

Location 288, Udeuraendeu-gil,
Anyang-myeon, Jangheung-gun,
Jeollanam-do

Key Functions

- Specialization of primary and secondary industries
 - Cultivation of medicinal herbs and supply of seeds
 - Uncovering native Korean resources and research on pharmacognostic effects
- Establishment of non-clinical testing (GLP) facilities for Korean medicine
- Research on the pharmacokinetics properties of Korean medicine ingredients

Head Office (Gyeongsan, Gyeongsangbuk-do)

Location 94, Hwarang-ro, Gyeongsan-si,
Gyeongsangbuk-do

Key Functions

- Supervision of foundation operations
- Development of Korean medicine technology
 - Development of new Korean medicines for chronic · incurable diseases
 - Development of Korean medicine forms and standardization of acupuncture specifications
 - Development of Korean medicine based products and establishment of materials bank

Quality Certification Center (Daegu)

Location 17, Namseong-ro, Jung-gu, Daegu

Key Functions

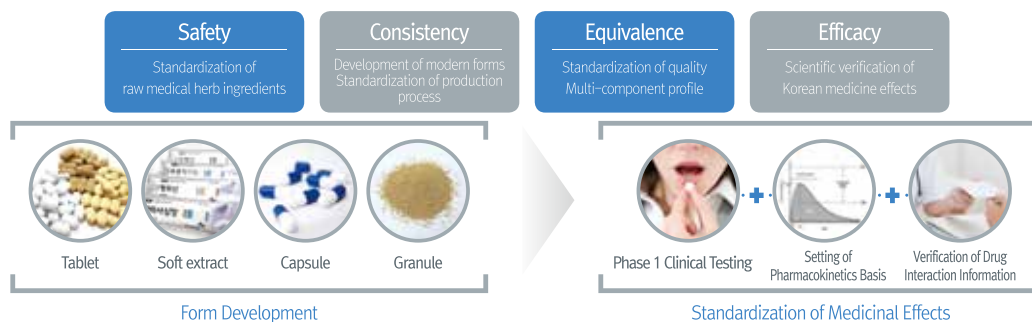
- Quality control of medicinal herbs
 - Setting of quality standards
 - Quality inspection and monitoring
- Standardization and distribution control of medicinal herbs



Project for the Modernization of Korean Medicines

Purpose of the Project Development of medicines in various forms which are convenient for intake and carrying and the standardization of medicinal effects

Project Details



● Modernization of Korean Medicine Forms

- Development of diverse forms using Korean medicine ingredients for the applicability of National Health Insurance and standardization of production processes
- Reinforcement of insurance benefits through obtainment of permit from the Ministry of Food and Drug Safety and insurance benefit registration of the developed forms

● Standardization of the Remedial Effects of Medicinal Herbs

- Preparation of basis on safety and effectiveness for National Health Insurance applicability

Project for the Standardization of Pharmacopuncture

Purpose of the Project Secure quality standards and safety • effectiveness through the standardization of pharmacopuncture

Project Details



● Setting of quality control standards for pharmacopuncture preparation and development of prototypes: 8 cases

- Standardization of pharmacopuncture quality control and medicine preparation processes
- Development of bee venom pharmacopuncture, hwangryunhaedok-tang pharmacopuncture, hominis placenta pharmacopuncture, angelicae gigantis radix pharmacopuncture, jungsongouhyul pharmacopuncture, soyeom pharmacopuncture, cornu cervi parvum pharmacopuncture, scolopendrid pharmacopuncture, etc.



Development of New Drugs

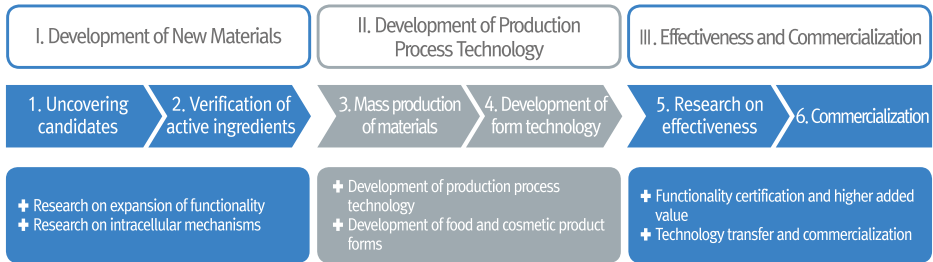
Purpose of the Project Development of new drugs for target chronic • intractable illnesses
Project Details



- Diseases with comparative advantage in using Korean medicines compared to Western medicines
- Mitigation of side-effects caused by existing chemical drugs and mutually supplementary effects
- Diseases for which prevention and management are more important than treatment
- Development of new drugs based upon knowledge in traditional Korean medicine
- Securement of reliability and competitiveness in Korean medicine by obtaining concreteness, objectivity, and expertise

Development of Product Technology based on Korean Medicine

Purpose of the Project Development of Korean medicine products and source technologies using Korean medicine materials
Project Details





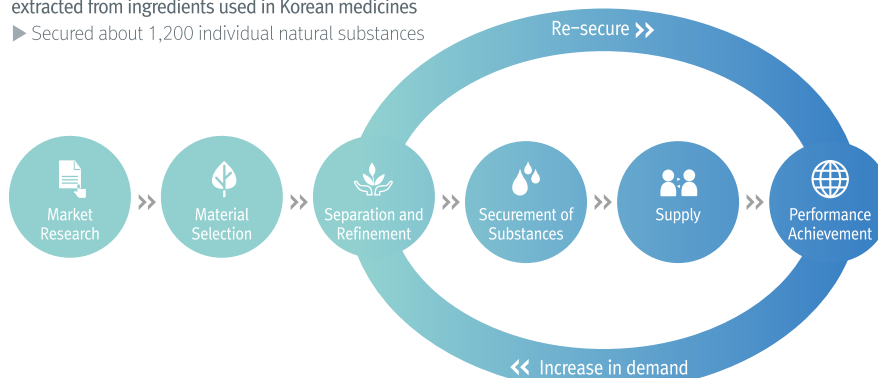
Project for the Establishment of Korean Medicine Ingredients

Purpose of the Project Support the development of food, pharmaceutical, and cosmetic products through the separation of individual substances from ingredients used in Korean medicines and development of new ingredients utilizing bioconversion technology

Natural Substance Bank

Obtainment and supplying of individual natural substances extracted from ingredients used in Korean medicines

► Secured about 1,200 individual natural substances



Bio-material Bank

Obtain and supply new or existing substances with improved functionalities through “bioconversion” technology

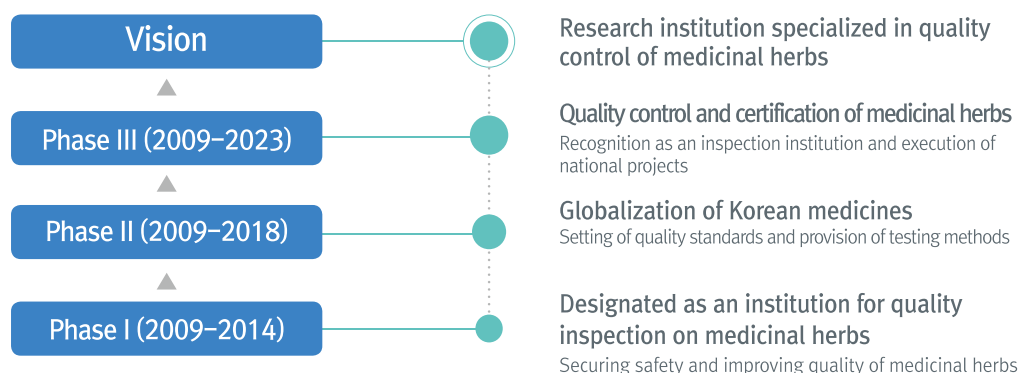
► Secured about 4,000 bioconversion materials



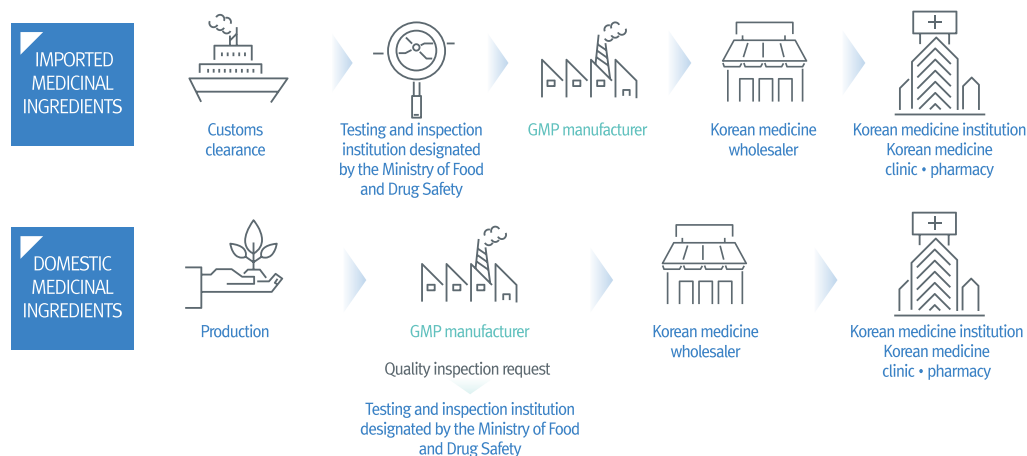
- ◉ Distribution to research centers, companies, and universities; research support
 - vitalization of the Korean medicine industry



Operation of an Institution for Quality Inspection on Medicinal Herbs



Distribution of Medicinal Ingredients and Quality Control Project





The Project for the Establishment of a Base for Indigenous Korean Species

Purpose of the Project Establish the foundation for development of medicinal ingredients using indigenous Korean species

Project Details

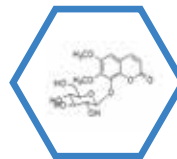
- Registration of indigenous species DNA (NCBI)
- Secure information on seed and cultivation of indigenous species
- Separation of index components and biological activity testing on indigenous species



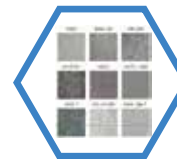
Collection of species



Registration of DNA



Explore index components



Biological activity testing

Phase 1

- Registration of indigenous Korean species' DNA in NCBI (212 items)
- Securement of the cultivation information of indigenous Korean species and development of quality control indexes (116 items)

Phase 2

- Securement of standard raw materials and ingredient profiling (50 items)
- Research on the pharmacognostic effects of indigenous Korean species (50 items)

Medicinal Herb Seeds Distribution Project

Purpose of the Project Expand production of domestic medicinal herbals through the supply of seeds and seedlings from species with proven origins

Project Details



Collection of
medicinal plant
resource



Research on
cultivation
technology



Propagation of
medicinal plant
resource

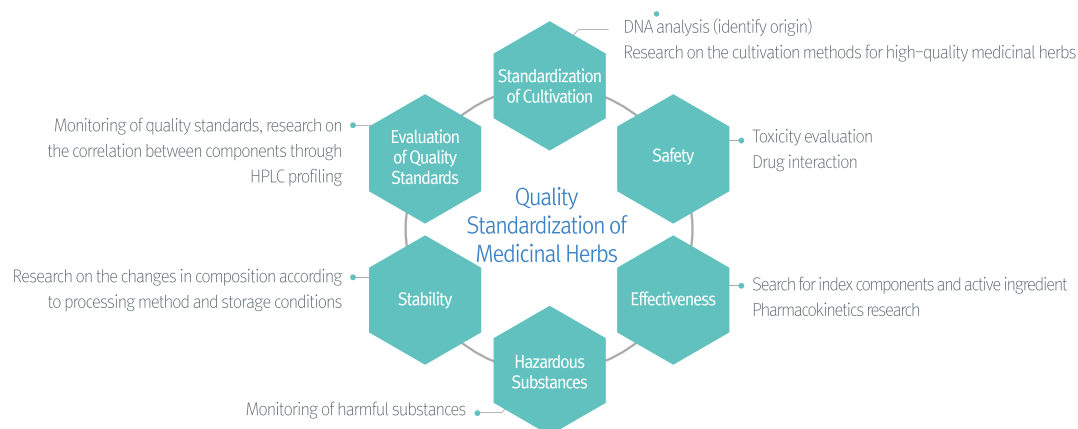


Supply of seeds
and seedlings



Standardization of Medicinal Herb Quality

Purpose of the Project Maximize the quality of medicinal herbs throughout the process from cultivation, manufacture, and distribution
Project Details



Regulation of Supply and Demand and Distribution Support of Medicinal Herbs

Purpose of the Project Establishment and advancement of a distribution system for domestically produced medicinal herbs

Project Details

- Provision of solutions for the stabilization of medicinal herb prices and production
- Control tower for medicinal herb distribution support facilities



Distribution Process



Policy Support for Korean Medicine

Purpose of the Project Creation of the base for the development of Korean medicine through policy development and system improvements, enhancement of public health and reinforcement of global competitiveness

Project Details



Policy Planning

- Uncovering and planning of policy improvements
- Support for the establishment of Korean medicine industry policies
- Establish the infrastructure for statistics
- Vitalization of major issues related to Korean medicine and policy channels

System Improvements

- Support for the improvement of systems related to Korean medicine
- Review of Korean medicine related legislation and support for improvements

Insurance Benefit Reinforcement TF

- Establishment of framework to reinforce insurance benefits
- Pursuit of National Health Insurance applicability

Improve Domestic and Foreign Perception on Korean Medicine

Purpose of the Project Improve the perception of Korean medicine through global promotional activities

Project Details





National Development
Institute of Korea Medicine

The Advancement of Korean Medicine
Based Medical Services

Project Team for the Development of Standardized Clinical Treatment Policies using Korean Medicine

Purpose of the Project Improve the quality of medical services and strengthen coverage

Project Details



Training of researchers



Development and
management of
standardized clinical
treatment policies



Evaluation and
certification of
policies



Establish an
integrated
information center



Supply and
dissemination





Head Office : 94, Hwarang-ro, Gyeongsan-si, Gyeongsangbuk-do (☎ 053. 810. 0202)

Korean Medicine Resource Center : 288, Udeuraendeu-gil, Anyang-myeon, Jangheung-gun, Jeollanam-do (☎ 061. 860. 2807)

Korean Medicine Policy Center : 12F Namsan Square, 173, Toegye-ro, Jung-gu, Seoul (☎ 02. 3393. 4500)

Quality Certification Center (Daegu Center) : 17, Namseong-ro, Jung-gu, Daegu (☎ 053. 810. 0365)

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