

Kyoto Pharmaceutical University

Overview of Kyoto Pharmaceutical University

Educating New Generations of Pharmacist-Scientists

Kyoto Pharmaceutical University (KPU) was established in 1884 as Kyoto Private German School by 18 devoted people German teacher Rudolf Lehmann had instructed.

The spirit of our school has remained unchanged ever since, as we continue to progress in the field of pharmaceuticals every single day.

KPU provides an integrated education over a six-year period, the purpose of which is to train pharmacists with advanced specialized skills and research capabilities, that is, what we call “pharmacist-scientist.” Focusing on identifying problems and their resolution, we train students to acquire a stable, solid balance of Science, Art, and Humanity.

Masaru Tuchiya, Chairperson Naomasa Gotoh, President

Year Established

1884

Kyoto Pharmaceutical University is among the oldest pharmaceutical universities in Japan. In 2014 KPU celebrated its 130th anniversary since the day of its foundation as Kyoto Private German School by Professor Lehmann’s 18 students, who, with German language, acquired the latest pharmaceutical and medical knowledge of the day.

Founding Philosophy

Ai gaku Kyu kou
「愛学躬行」
“Philosophia et Praktikos”

The Latin phrase “Philosophia et Practikos,” or “Philosophy and Practice” in English, has guided us to be respectful of studying and willing to practice what we learn.

Educational Philosophy

As an advanced education and academic research institute, KPU provides new generations of pharmacists with education and training in research in pharmaceutical sciences founded on profound understanding of dignity of life for them to contribute to the health and welfare of humanity.

Educational Objectives

KPU aims to nurture pharmacists with medical and clinical expertise, high-level ethics and profound understanding of humanity and culture. Furthermore, taking advantage of frontier researches by faculty members, KPU fosters pharmacist-scientists who contribute to innovation in such areas as drug development, environmental sciences or social pharmacy.

History

- 1884 Kyoto Private German School was founded by the students of Dr. Rudolf Lehmann in Nakagyo-ku (then Kamigyo-ku). The Department of Pharmacy was later established as a specialized course of the school.
- 1892 The Department of Pharmacy was closed and re-established as Kyoto Private Pharmaceutical School.
- 1919 Kyoto Private Pharmaceutical School was closed and re-established as Kyoto Pharmaceutical Professional School under the Professional School Law.
- 1932 The school was moved to a new campus in Misasagi, Yamashina-ku (then Higashiyama-ku).
- 1949 The school was reorganized as Kyoto Pharmaceutical University under the School Education Law.
- 1965 Master's Degree Program in Graduate School of Pharmaceutical Studies was established.
- 1977 Doctoral Program in Graduate School of Pharmaceutical Studies was established.
- 1984 The university celebrated its centennial founding anniversary.
- 1988 The Institute of Molecular and Cellular Biology for Pharmaceutical Sciences (presently named as the 'S' building) was established.
- 1999 Master's Degree Program in Clinical Pharmacy Studies was established. The Center for Frontier Research in Medicinal Science was established.
- 2001 The student hall 'Pavot' was constructed.
- 2003 Half of the main building 'Aigakukan' and its main lecture hall 'Aigaku Hall' on the third floor were constructed.
- 2005 The remaining half of the main building 'Aigakukan' was completed.
- 2006 Six-year pharmaceutical program launched.
- 2007 Educational and Research Center for Clinical Pharmacy was established.
- 2010 Kyukoukan was built, Master's Degree Program in Pharmaceutical Science was established.
- 2011 Central Gardens was completed.
- 2012 Doctoral Programs in Pharmacy and Pharmaceutical Sciences were established.
- 2013 Resercd Center for Bioscience was established.
- 2014 The university celebrated its 130th founding anniversary.

No. of students

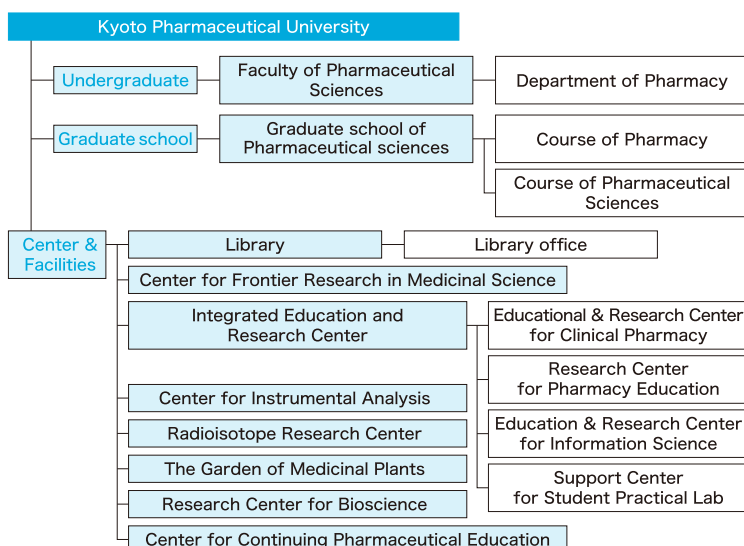
Unit : One person

Category			Following year	Capacity	
Undergraduate			1st year	360	
			2nd year	360	
			3rd year	360	
			4th year	360	
			5th year	360	
			6th year	360	
			Subtotal	2,160	
Graduate school	Course of Pharmacy	PhD Program	1st year	10	
			2nd year	10	
			3rd year	10	
			4th year	10	
			Subtotal	40	
	Course of Pharmaceutical Sciences	MSc Program	1st year	5	
			2nd year	5	
			Subtotal	10	
			PhD Program	1st year	2
				2nd year	2
3rd year	2				
Subtotal	6				
Total			56		
Grand Total				2,216	

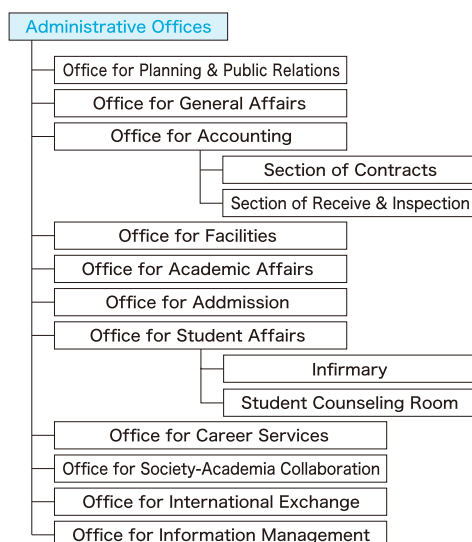
No. of faculty

171
(as of May 1, 2017)

University Organization



Administrative Organization



Laboratories

Division of Medicinal Chemical Sciences	Pharmaceutical Manufacturing Chemistry / Medicinal Chemistry / Pharmacognosy
Division of Analytical & Physical Sciences	Analytical Chemistry / Analytical & Bioinorganic Chemistry / Biophysical Chemistry
Division of Biological Sciences	Environmental Biochemistry / Public Health / Microbiology & Infection Control Sciences / Cell Biology Biochemistry & Molecular Biology / Clinical and Translational Physiology
Division of Pathological Sciences	Pathological Biochemistry / Pharmacology & Experimental Therapeutics / Clinical Pharmacology / Pharmacology / Clinical Oncology
Division of Clinical Pharmaceutical Sciences	Biopharmaceutics / Pharmacokinetics / Clinical Pharmacy / Clinical Pharmacoepidemiology
Division of Liberal Arts Sciences	Health & Sports Sciences / Physics / Mathematics / Languages and Social and Cultural Science
Center & Facilities	Educational and Research Center for Clinical Pharmacy / The Research Center for Pharmacy Education / Education & Research Center for Information Science / Support Center for Student Practical Lab / Radioisotope Research Center / The Garden of Medicinal Plants / Center for Frontier Research in Medicinal Science / Center for Instrumental Analysis

Admission Policy

Undergraduates

Kyoto Pharmaceutical University, with founding philosophy of "Philosophy and Practice", aims to graduate pharmacist-scientists with solid balance of Science, Art and Humanity, who contribute in medical and clinical practices, drug development and biological science. KPU accepts students who understand the school founding philosophy and its mission and objectives, and have strong wills to obtain groundings asked for bachelor's degree in pharmacy.

Graduate Students —Course of Pharmacy—

This doctoral program has been established based on a six-year undergraduate education and aims to foster researchers specializing in basic or clinical pharmaceutical research and clinical pharmacists who have outstanding specialized knowledge and the ability to conduct original research.

The program also trains personnel who can take the lead in the drug-development process as well as specialized pharmacists.

Individuals seeking admission to the doctoral program are required to possess an interest in the pharmaceutical research field and to demonstrate a high level of creativity and progressive thinking driven by intellectual curiosity.

Given the specific nature of pharmacy as a subject and considering the public demand, application for admission can be made by individuals meeting any of following criteria: Pharmacy graduates who have completed the current six-year curriculum; certified pharmacists aged 24 or above who completed the old four-year curriculum; and post-graduates in pharmacy from any foreign educational institution.

Graduate Students —Course of Pharmaceutical Sciences—

This course comprises a two-year master's course and a three-year doctoral program, which have been established based on a four-year undergraduate educational program.

The aim of this course is to foster pharmaceutical research scientists who are internationally active and possess outstanding research abilities in conducting research in the fields of basic pharmacy, such as pharmaceutical science and life science.

The program also trains personnel who can take a lead in general (overall) drug development.

Individuals who seek admission to the doctoral program are required to possess an interest in the pharmaceutical science research field and to demonstrate a high level of creativity and progressive thinking driven by intellectual curiosity.

Given the specific nature of pharmacy as a subject and considering the public demand, application for admission to the two-year master's course can be made by graduates from other universities or different majors, as well as by members of society or international students.

Applicants to the doctoral course can come from the school of pharmacy as well as hold master's degrees in other scientific disciplines and may be members of society or international students, and shall meet any of following criteria: Pharmacy graduates who have completed the new six-year curriculum; certified pharmacists aged 24 or above who completed the old four-year curriculum; and post-graduates in pharmacy from any foreign educational institution.

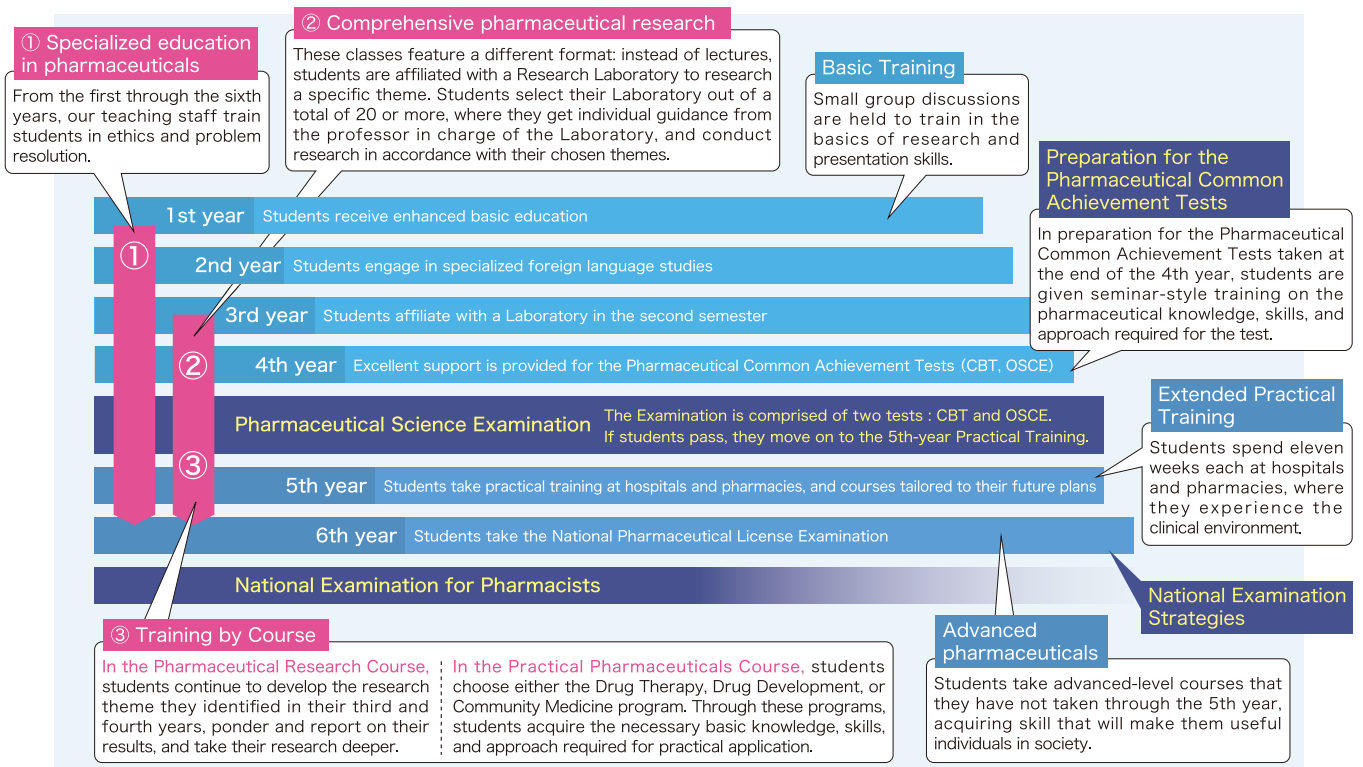
A Solid Base in Research / Training Pharmacist-Scientist

KPU has a record of implementing cutting-edge research in a broad range of pharmaceutical fields, from basic research to clinical applications, over many years. In addition, we are striving to train pharmacist-scientist through research-based education.

■ Education

■ Six Years of Integrated Education to educate Pharmacist-Scientist

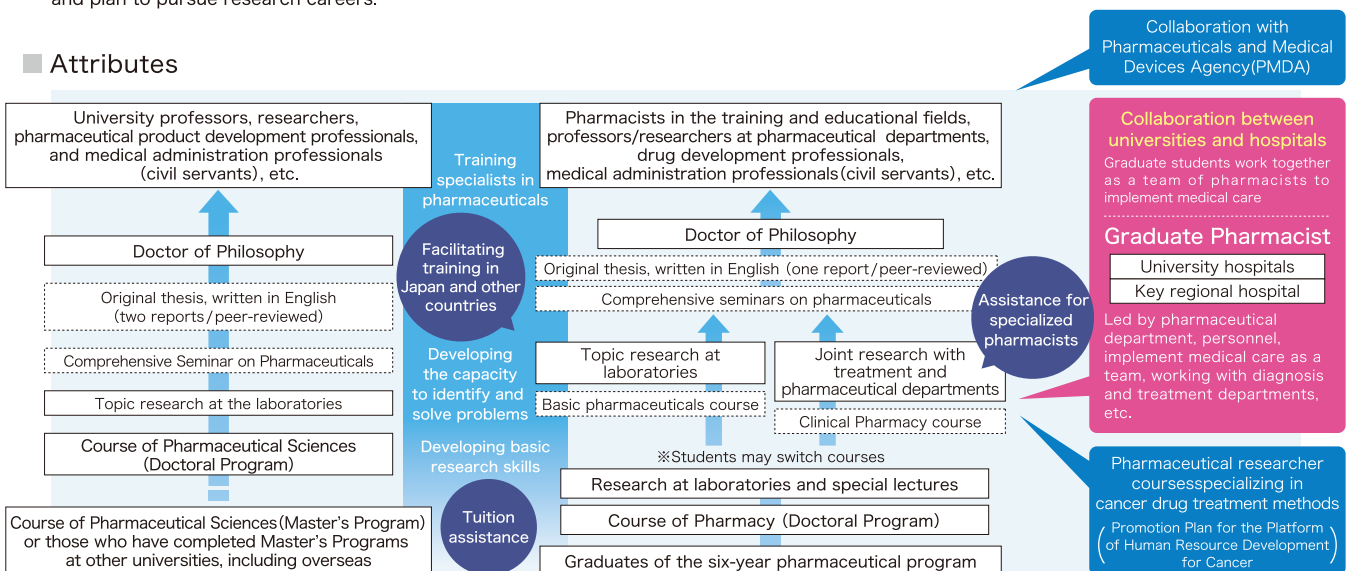
Our professors are engaged in the field of cutting-edge pharmaceuticals, which is relayed to the students in the classroom. Students complete six years of study with this know-how and knowledge as basics.



■ Graduate school of Pharmaceutical Sciences

KPU graduate school has two courses: The first course is a four-year Doctoral Program in Pharmacy for those who have completed six-year pharmaceutical undergraduate programs. The Pharmacy program aims to produce clinical pharmacists with leadership capabilities in both research and practices. The second course is in Pharmaceutical Science and offers a two-year Master's Program followed by a three-year Doctoral Program. The five-year Pharmaceutical Science program is mainly for those who completed four-year bachelor degree programs and plan to pursue research careers.

■ Attributes



Kyoto Pharmaceutical University Tuition and fees

Tuition & Fees	Admission Fees	Annual tuition
4-year Doctorate course	¥ 100,000	¥ 700,000
2-year Master's course	¥ 250,000	¥ 700,000
3-year Doctorate course	¥ 100,000	¥ 700,000

·Reduction of Tuition and scholarship are available for international students.

Educational initiatives implemented through research ··· KPU Symposium

KPU symposiums are held on a regular basis to ensure that undergraduate and graduate students get exposure to cutting-edge research opportunities. At these events, researchers from the university and other institutions report on their latest research results, take question-and-answer sessions with students, etc. This process helps students to develop the perspective they need in order to conduct research as pharmacist-scientist.

Research

Areas of specialization

Synthetic Organic Chemistry, Medicinal chemistry, Structure-based drug design, Instrumental analysis, Drug delivery system, Pharmaceutical analysis, Biomedical analysis, Bioinorganic chemistry, Pharmacokinetics & Drug Metabolism, Biophysical, Nutritional neurochemistry, Cancer prevention, Environmental analytics, Bacterial translocation, Bacterial commensal, Antimicrobial resistance, Molecular cell biology, Molecular oncology, Virology, Molecular Pathophysiology, Gastrointestinal Physiology and Pharmacology, Molecular & Cellular Pharmacology, Biopharmacy, Pharmacokinetics & Pharmacodynamics, Pharmaceutics, Clinical pharmaceutics, Clinical Pharmacy, Pharmacokinetics & Pharmacometrics, Drug information, Toxicology, Health and Physical fitness, Exercise physiology, Sports rehabilitation, Laser spectroscopy of biomolecules, Science/Pharmacy English education, immune system and so on.

Academic Societies

The Pharmaceutical Society of Japan, The Academy of Pharmaceutical Science and Technology, Japan, The Japan Society of Drug Delivery System, The Japanese Gastroenterological Association, The Japanese Society of Ulcer Research, Medical and Pharmaceutical for WAKAN-YAKU, The Japanese Society for Vaccinology, The Chemical Society of Japan, Japanese Society of Pharmaceutical Health Care and Sciences, The Japanese Peptide Society, The Japanese Association for Infectious Diseases, Japan Society for Cell Biology, The Molecular Biology Society of Japan, The Japanese Society for Virology, The Japanese Biochemical Society, Society for Free Radical Research Japan, The Japanese Society of Clinical Pharmacology and Therapeutics, The Japanese Pharmacological Society, The Physiological Society of Japan, Japanese Society for Immunology, The Japanese Society of Pharmacognosy, Japanese Society of Chemotherapy, The Vitamin Society of Genome Microbiology, Japan, The Japanese Society for Study of Xenobiotics, The Japanese Society of Hypertension, The Pseudomonas Aeruginosa Infection Society, Japan Society of Clinical Oncology, Japanese Cancer Association, Japanese Society of Drug Informatics, Japan Society for Bioscience, Biotechnology, and Agrochemistry and so on.

Partners of on-going collaborative research projects

[Universities] <National · Public> Osaka City University, Okayama University, Kagawa University, Kanazawa University, Kyoto University, Kyoto Prefectural University of Medicine, Kobe University, Sapporo Medical University, Shiga University of Medical Science, University of Shizuoka, University of Tsukuba, The University of Tokushima, Tottori University, University of Toyama, Nagoya City University, Nagoya University, Nara Institute of Science and Technology, Hamamatsu University school of Medicine, Hiroshima University, Hokkaido University, Mie University, University of Miyazaki, Yamagata University, University of Yamanashi and so on.

<Private> Osaka Medical College, Tokyo University of Pharmacy and Life Sciences, Toho University, Waseda University and so on.

<Overseas> (U.S) University of Alabama at Birmingham (Germany) Heidelberg University

[Others] <Laboratory · Hospital> Sakai City Hospital, National Cancer Center, National Institute of Public Health, Riken and so on.

Global Academic Affiliations

Japan : Affiliations with Four Major Universities of Kyoto

Kyoto Pharmaceutical University has agreements in the area of educational research on health sciences with the Kyoto Institute of Technology, Kyoto Prefectural University of Medicine, and Kyoto Prefectural University, implementing projects in the health science fields via joint research.

Academic Exchange Agreements

Kyoto Pharmaceutical University has framework agreements with Kyoto Prefectural University of Medicine and Shiga University of Medical Science in academic exchange. The objective of these agreements is to further enhance our educational and research activities.

Overseas : International Exchange Agreements

The Kyoto Pharmaceutical University has international exchange agreements with universities as below. Faculty and students are exchanged under the agreements in order to facilitate greater internationalization.

- Shen Yang Pharmaceutical University (China)
- National Taiwan University (Taiwan)
- University of California San Francisco (the U.S.)
- Mahidol University (Thailand)
- National Cheng Kung University (Taiwan)
- Hanoi University of Pharmacy (Vietnam)
- Alexandria University (Egypt)
- MCPHS University (the U.S.)

Projects financially supported by MEXT

(MEXT ; Ministry of Education, Culture, Sports, Science and Technology)

Research Projects

"Creation of environmental reply type intelligent nano DDS by the properties of matter control based on in vivo microenvironment information" (in 2013)

Establishing a basis for the university-launched venture aiming at development of novel molecular targeted agents (in 2015)

Research on securing and supplying effective Japanese traditional medicines (in 2015)

Project to promote education and research at private universities through support for equipment and facility enhancement

"System for analyzing organism samples for education and nurturing of new generations of pharmacist-scientists" (in 2012)

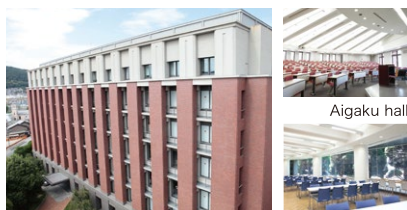
State-of-the-art facilities and equipment key to cutting-edge pharmaceutical research

KPU offers a variety of research opportunities, for health and medicine, from drug development to medical pharmacy. We are fulfilling our obligations to society as an academic institution.

■ Aigakukan

The Aigakukan is our institution's largest facility (comprised of eight floors including the B1 floor).

It features a cafeteria and offices on the first floor, as well as large and small lecture halls and research laboratories, seminar rooms with up to 180-student capacity, etc.



dining room in Aigakukan

■ Kyukoukan

The Kyukoukan features lecture halls, seminar halls, and research laboratories, a library, a cafeteria, and shops. It has six floors including the B1 floor and approximately 11,000 sq. meters of space in total. Construction was completed in February 2010.



dining room in Kyukoukan

■ Integrated Educational and Research Center

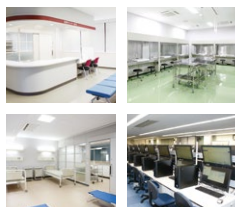
Our institution is home to a variety of educational research centers, including the Research Center for Pharmacy Education, the Education & Research Center for Information Science, the Educational and Research Center for Clinical Pharmacy, and the Support Center for Student Practical Lab, etc.

Top left : Educational and Research Center for Clinical Pharmacy (simulated pharmacy counter)

Top right : Educational and Research Center for Clinical Pharmacy (clean room)

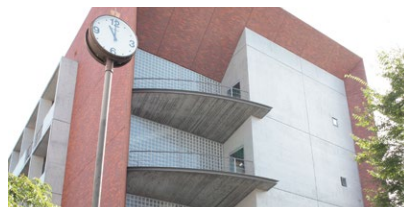
Bottom left : Educational and Research Center for Clinical Pharmacy (hospital ward/health insurance pharmacy seminar room)

Bottom right : Education & Research Center for Information Science Clinical Pharmacy (PC room)



■ Center for Frontier Research in Medicinal Science

This Center was established in joint research project with the Ministry of Education, Sports, Culture, Science, and Technology's Academic Frontier Project.



■ Research Center for Bioscience

Completed in 2013, the center houses the cutting-edge animal testing facilities at the highest level of pharmaceutical universities in Japan.



■ Off campus

Our institution has approximately 13,000m² of medicinal-use botanical gardens in Hino, Fushimi Ward, plus additional medicinal-use botanical gardens in an area of the grounds.



The Garden of Medicinal Plants

Second Garden of Medicinal Plants

Access map





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Kyoto Pharmaceutical University

<http://www.kyoto-phu.ac.jp/>

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