

**INNOPHARMAX**



**INTELLIGENCE  
INNOVATION  
INSISTENCE**

Intelligence  
Innovation  
Insistence

**3 In one for HEALTH**

At INNOPHARMAX, our vision is to become a leader in new drug development via formulation technology. We're on the leading edge of science and technology.

**INNOPHARMAX**

9F., No.22, Ln. 478, Ruiguang Rd., Neihu Dist.,  
Taipei City 11492, Taiwan (R.O.C.)  
TEL : 886-2-8797-7607 FAX : 886-2-8797-5627  
Website : [www.innopharmax.com](http://www.innopharmax.com)

## 01

About  
INNOPHARMAX

## Our Vision

INNOPHARMAX is a global biopharmaceutical company built on a 21st-century paradigm for the translation of innovative science into treatment. The Company currently offers technology and products to fulfill high unmet medical needs.

Powered by experienced management and R&D teams, INNOPHARMAX is pioneering medicines in oncology, immunology and specialties by using unique formulation technology platform – such as OralPAS® to develop innovative medicines. With well-designed dosage forms and optimized administration schedules, the company is hoping to bring better quality of life to patients and provide new treatment options to doctors. Since established in 2005, INNOPHARMAX has brought various products from development to market and has made significant contribution to the public health. Not only provide the most advanced treatment choices to life-threatening diseases, but also support cost-effective medicines to the public health system. At INNOPHARMAX, easy-to-use formulations and affordable medicines for patients are as important as scientific innovation. With current balanced product pipeline from short term to long term, the company is fully committed to transforming the latest pharmaceutical techniques to tomorrow's health reality.

# 02

## R&D The Backbone of INNOPHARMAX



### Building on the past, accelerating to the future.

At Innopharmax, we're committed to helping physicians and patients prevail serious diseases; therefore we recruit R&D professionals around the world and look for the best and the brightest at all levels of expertise. Our vision is to create the cutting-edge technology to discover and develop new formulation of drugs. We measure our success by the difference we can make in the lives of patient and offer them new treatment options and more importantly, better quality of life.

INNOPHARMAX has extensive R&D experience, with former researchers who worked for Medical and Pharmaceutical Industry Technology and Development Center in Taiwan (which is the most important pharmaceutical technology developing organization funded by Taiwan government). Until 2014, over 90% of our R&D professionals hold master degrees or above, and many of our team members came from various pharmaceutical fields, such as CMC, Drug Delivery System, Formulation, Medicinal Chemistry and many more.



# OralPAS® / OralPASPro® Cutting-edge Drug Delivery Platform

## OralPAS® / OralPASPro® Technology Platform

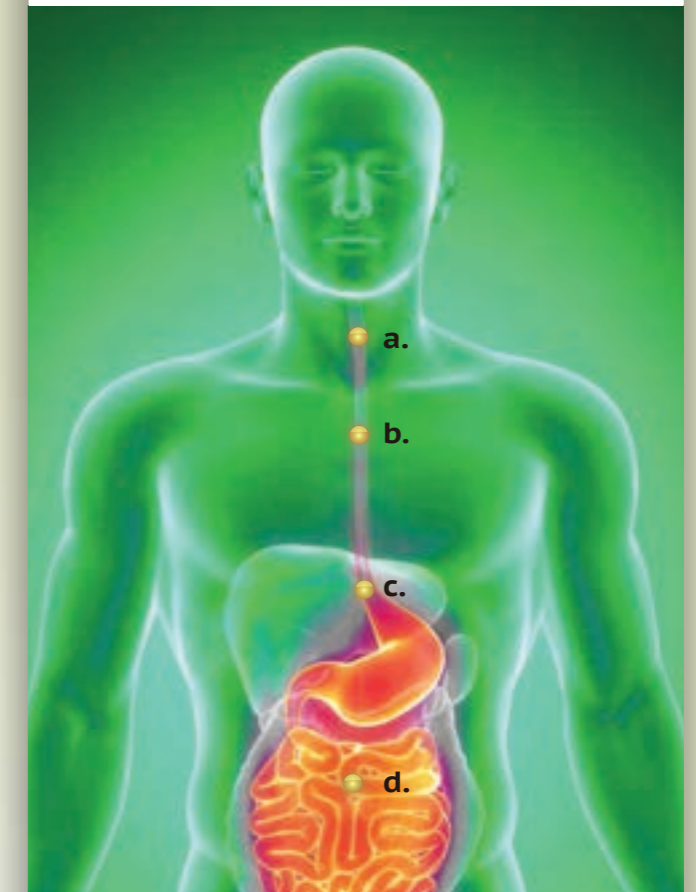
- OralPAS® / OralPASPRO® are Self-Microemulsifying Drug Delivery System Technologies
- Can be used with class III and class IV drugs that are difficult to absorb
- Anhydrous system ( or microemulsion concentrate ) can be prepared as a liquid or solid dosage form
- Disperse spontaneously into nanometer-sized emulsion droplets in contact with water and/or GI fluid

## Advantages of OralPAS® / OralPASPro®

- Rapid-acting of oral small chemical, peptide and protein drugs
- Increase the solubility and dissolution of the drug
- Enhance oral absorption
- Protect drugs against enzyme degradation
- Reduce the irritation of the GI tract
- Promote new indications for drugs by oral administration
- Provide greater therapy efficacy
- Improve patient compliance



### Advantages of OralPAS® / OralPASPro®



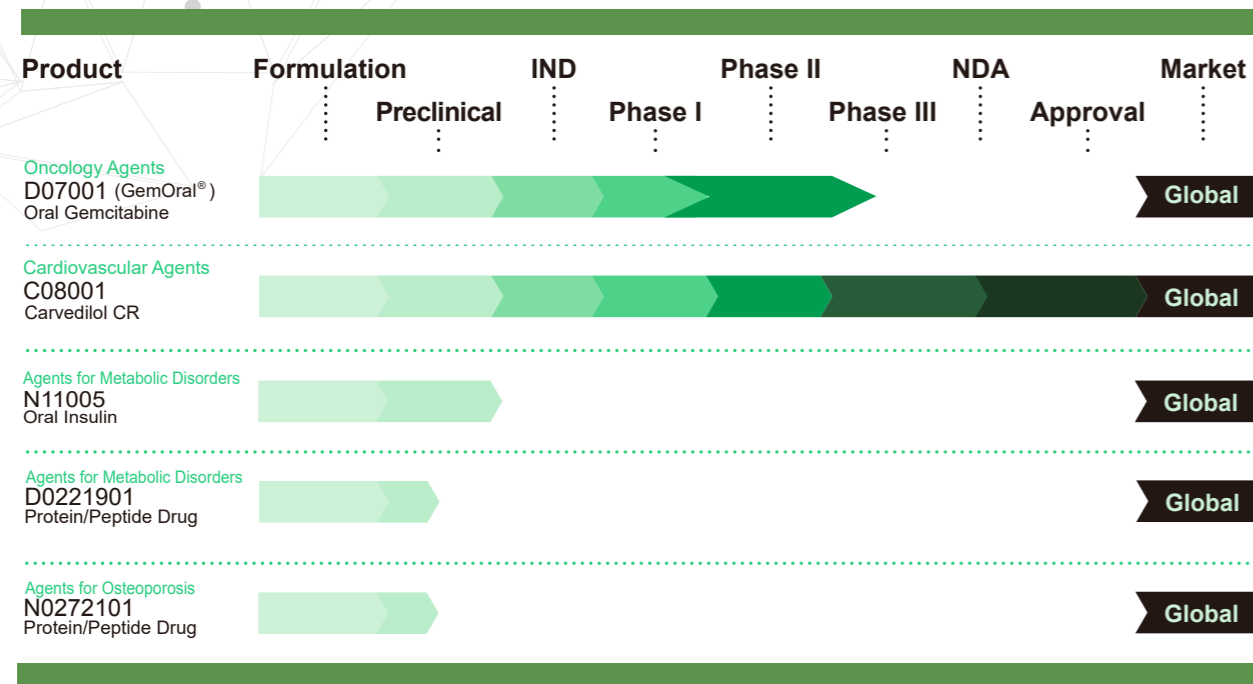
- a. Can be used as a solid dosage form
- b. Increases the solubilization and dissolution of the drug
- c. Protect drugs against hydrolysis
- d. Enhance drug absorption through structural or fluidity changes in the intestinal membrane



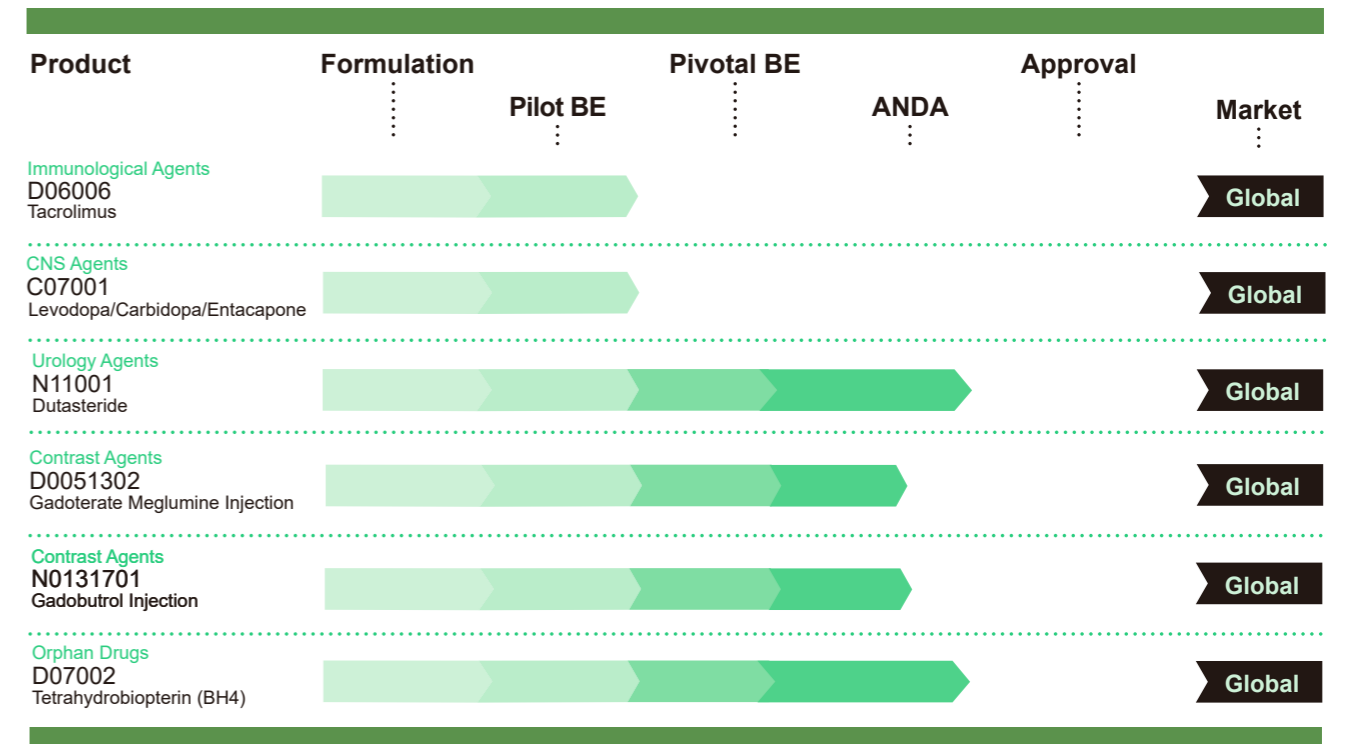
# Pipeline

New Drugs & Specialties

## New Drugs



## Specialties





Contrast Agents- MRI



Gadomni® (Gadopentetate Dimeglumine) Injections & Gadoscan® (Gadodiamide) Injections

- Derived from rare-earth metal gadolinium (GD)
- Gadoscan® is non-ionic, Gadomni® is ionic
- Do not cross blood-brain barrier
- Can be used to provide images of intra-cranial and spinal lesions, as well as joints
- High safety profile: with 90-95% eliminated 24 hours post-administration
- Renal function assessment is necessary before administration
- Strictly used as directed by medical professionals

**Product name** | Gadomni®  
**Shelf life** | 2 years  
**Composition** | Gadopentetate dimeglumine (469mg/1mL)  
**Indication** | Cranial and spinal, whole body MRI ( Magnetic Resonance Imaging )  
**Package** | 10mL, 15mL, 20mL

**Product name** | Gadoscan®  
**Shelf life** | 2 years  
**Composition** | Gadodiamide (287mg/1mL)  
**Indication** | Cranial and spinal, whole body MRI ( Magnetic Resonance Imaging )  
**Package** | 10mL, 15mL, 20mL

Drugs for Rare Diseases



Inpheno® (Sapropterin Dihydrochloride) 100mg Dispersible Tablet

- BH4 is a co-factor for hydroxylase enzymes, which metabolize amino acids such as phenylalanine, tyrosine and tryptophan
- People with a rare autosomal recessive genetic disorder called Phenylketonuria (PKU) cannot metabolize phenylalanine, due to defective Phenylalanine Hydroxylase (PAH). As a result, this leads to accumulation of phenylketone, which is neurotoxic
- A rarer form of PKU is called Hyperphenylalaninemia (HPA), which is due to defective production of co-factor BH4 for PAH. Without the activation from BH4, PAH will not function properly to metabolize phenylalanine
- BH4 therefore, can be taken as a supplement for PKU sufferers with HPA

**Product name** | Inpheno®  
**Shelf life** | 2 years  
**Composition** | Sapropterin dihydrochloride (100mg/10mg)  
**Indication** | Used as a supplement for those with a rare-genetic disorder called Phenylketonuria (PKU). People with PKU cannot metabolize phenylalanine due to either defective production of phenylalanine hydroxylase (PAH), or cannot produce a co-factor called BH4 to activate the enzyme. Inpheno® is only effective for those PKU sufferers with defective production of BH4, where as PKU sufferers with defective PAH will have to avoid food that contain phenylalanine (such as dairy and meat)  
**Package** | 45 Dispersible tablets packed in a plastic container with child-resistant cap

## Oncology



### Innomustine® (Bendamustine HCl) Injection

Lower toxicity with a preferable result:  
Innomustine® - improving the quality of lives is what we care

- Bifunctional alkylating agent
- High water solubility - easy to administer
- Lower toxicity profile - lower incidence and severity of adverse reaction
- Almost no alopecia compared with other chemo agents
- Significantly prolongs Progression-Free Survival rate
- Strictly used as directed by medical professionals

Product name		Innomustine®
Shelf life		3 years
Composition		Bendamustine HCl 100mg
Indication		Hodgkin's disease, non - Hodgkin's Lymphoma (NHL), Chronic Lymphocytic Leukemia (CLL)
Package		Each bottle contains 100mg of Bendamustine HCl dried powder

## Infectious Diseases



### Bestnem® (Imipenem / Cilastatin) Injection

An all-in-one antibiotic:  
Bestnem® - the best cure for infections

- Broad-spectrum antibiotic that belongs to beta-lactam class
- Mode of action: inhibits the synthesis of cell wall of susceptible bacterial organisms, causing the cell wall break-down and leads to cell death
- A two-in-one formulation: Cilastatin, a renal dehydropeptidase I inhibitor that prolongs the action of Imipenem by increasing its half-life and tissue penetration, making it more effective against susceptible organisms
- Effective against a wide range of aerobic and anaerobic gram-positive and gram-negative organisms, including Staphylococcus aureus, Streptococcus pyogenes, Streptococcus agalactiae, viridans group streptococci, Enterococcus faecalis, Pseudomonas aeruginosa, Escherichia coli, Proteus mirabilis, Bacteroides fragilis and Peptostreptococcus species
- Strictly used as directed by medical professionals

Product name		Bestnem®
Shelf life		2 years
Composition		Imipenem/Cilastatin (250mg/250mg, 500mg/500mg)
Indication		Lower respiratory tract, skin & skin structure, intra-abdominal, gynecological, bone & joint infections. It can also be used in treating complicated or uncomplicated urinary tract infections (UTIs), septicemia, or endocarditis caused by susceptible organisms
Package		Each bottle contains 250mg/250mg, or 500mg/500mg Imipenem/Cilastatin in dried powder

## Immunological Agents



### Immunin® (Cyclosporine A)

The most successful anti-rejection drug to date

- Cyclosporine is a cyclic undecapeptide, immunosuppressive agent consisting of 11 amino acids
- Preventing the rejection of organ transplants (kidney, liver, and heart)
- It is also used to treat chronic rejection in patients previously treated with other immunosuppressive agents
- Cyclosporine radically improved the chance of survival for transplant recipient
- As an immuno-suppressant with a low aqueous solubility, Cyclosporine A has been widely used for the inhibition of graft rejection in organ transplant recipients
- Innopharmax OralPAS® Cyclosporine A softgel capsules are designed to improve the bioavailability of Cyclosporine A by 10 fold via oral administration.

Product name	Immurin®
Shelf life	2 years
Composition	Cyclosporine (25mg/100mg)
Indication	Cyclosporine is indicated in the treatment of kidney transplantation, liver transplantation, heart transplantation, lung transplantation, graft versus host disease (GVHD), bone marrow transplantation, behcet's disease, posterior uveitis, intermediate uveitis, plaque psoriasis (psoriasis vulgaris), aplastic anemia, nephrotic syndrome, myasthenia gravis, atopic dermatitis. It is also indicated in the treatment of non behcet's disease.
Package	Unit packages of 50 capsules



## Contact

Innopharmax Inc.  
 Email: [business@innopharmax.com](mailto:business@innopharmax.com)  
 TEL: 886-2-8797-7606 FAX: 886-2-8797-5627  
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