



潜心制药 诚信待人

PRODUCT CATALOG  
产品目录

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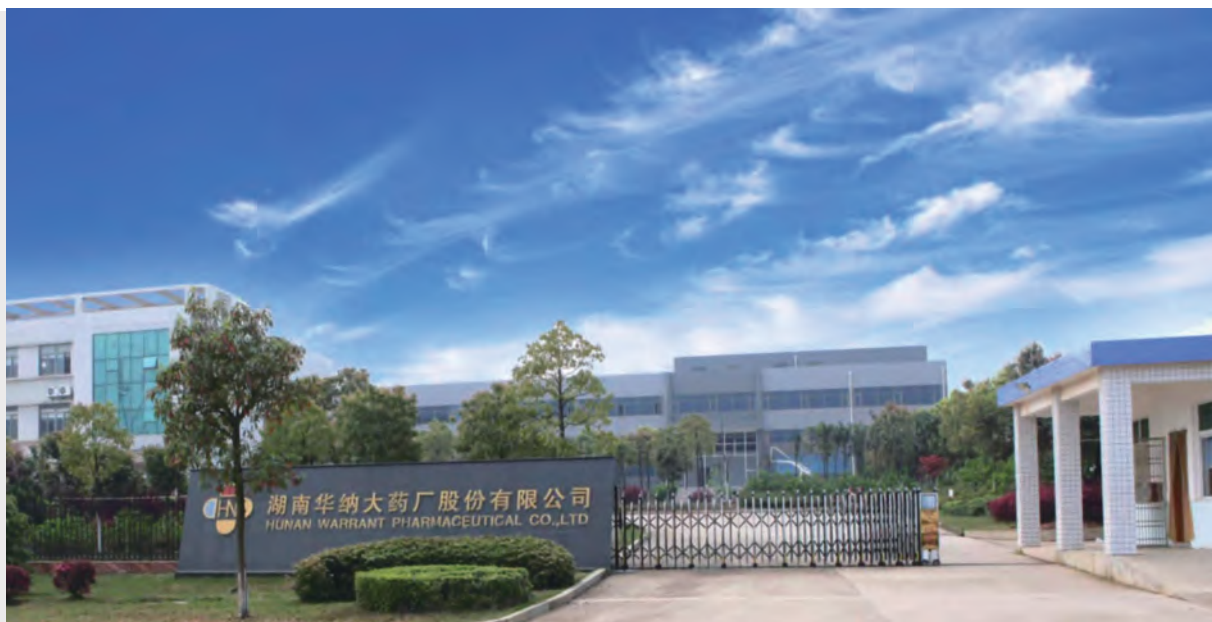
华纳药厂  
WARRANT PHARMACEUTICAL

## 华纳药厂介绍

### ABOUT WARRANT PHARMACEUTICAL GROUP

华纳药厂成立于2001年,于2021年在上交所科创板上市(股票代码:688799),集团内现有3个生产基地:湖南华纳大药厂股份有限公司、湖南华纳大药厂手性药物有限公司、湖南华纳大药厂天然药物有限公司,规划布局了“从化药原料到化药制剂;从中药前处理、提取分离到中成药”两条完整产业链,并基于公司主营业务拓展所发展起来的综合能力,具备为研发机构、药品持有人机构等提供从小试到中试、生产验证、商业化生产等全面CMO/CDMO服务。

自创立以来,华纳药厂始终秉承“科技服务健康”的企业宗旨,遵循“潜心制药,诚信待人”的经营理念,坚持走专业化发展道路,获得了“国家高技术产业化示范工程企业”、“科技部重点项目扶持企业”等诸多荣誉。企业将持续创新,运用科学技术成果维护患者生命健康、提高患者生命质量,致力于“成为一个值得信赖的健康产品供应商”。



Warrant Pharmaceutical Group was established in 2001 and listed on the Science and Technology Innovation Board of Shanghai Stock Exchange in 2021 (stock code: 688799). There are three production bases under the group, namely Hunan Warrant Pharmaceutical Co., Ltd., Hunan Warrant Chiral Pharmaceutical Co., Ltd., and Hunan Warrant Natural Pharmaceutical Co., Ltd.. The group has formed two complete industrial chains of developing chemical raw materials to chemical pharmaceutical preparations, and manufacturing from pre-treatment, extraction and separation of traditional Chinese medicinal materials to Chinese patent medicine preparations. Based on the comprehensive capabilities developed from main business expansion, it is able to provide R&D institutions and drug holders comprehensive CMO/CDMO services in laboratory-scale test, pilot-scale test, production validation, and commercial manufacture, etc.

Since its establishment, Warrant Pharmaceutical Group has always adhered to the tenet of "science and technology serve health", followed the business philosophy of "devote ourselves to pharmacy and treat others with integrity", insisted on the path of professional development, and won many honors, such as "The Enterprise of the National High-Tech Industrialization Demonstration Project", "The Enterprise Supported by Key Projects of the Ministry of Science and Technology of China", etc. The group will continue innovating, using scientific and technological achievements to maintain the health of patients and improving their life quality. It is always committed to being a reliable supplier of health products.

## 湖南华纳大药厂手性药物有限公司介绍

ABOUT HUNAN WARRANT CHIRAL PHARMACEUTICAL CO., LTD.



湖南华纳大药厂手性药物有限公司为华纳药厂的原料药生产基地,位于长沙市望城区铜官循环经济工业基地,占地面积106亩,已建成生产用建筑面积64000m<sup>2</sup>。公司专业定位于化学原料药、中间体、药用辅料产品的研发、生产与销售。建有5个符合国家GMP要求的API产品精烘包车间、9个医药中间体生产车间,并配套有功能完善的质检中心、研发中心、综合仓库、甲类仓库及储罐区以及污水处理站等。

在质量体系方面,公司秉承“质量第一、技术领先”的质量总方针,已陆续通过中国、韩国、俄罗斯等官方检查,目前正在积极准备日本、美国的官方认证。

在研发体系方面,公司属于研发驱动型国家高新技术企业,公司组建了湖南省手性药物工程研究中心负责新产品研发,并成立了产品技术转移中心和产品技改中心,专注于新产品的技术转移、在产产品的工艺优化,能持续为公司稳定输出迭代产品和供应质量稳定、价格优质的产品提供有力支撑。

在销售平台建设方面,公司将以客户需求为中心,实施产品全生命周期的注册关联与战略订制策略相结合的发展战略;同时根植于为原料药产品全产业链提供技术服务。最终与客户达到:资源整合、互信共赢的上下游战略合作伙伴!

Hunan Warrant Chiral Pharmaceutical Co., Ltd., the API production base of Warrant Pharmaceutical Group, is located in Tongguan Circular Economy Industrial Park, Wangcheng District, Changsha City, occupies about 106 mu and owns building area of 64000 square meters for production. The company is specialized in the R&D, manufacture and sales of chemical APIs, intermediates and pharmaceutical excipients. It possesses 5 API workshops, 9 intermediate workshops, and is equipped with QC, R&D center, comprehensive warehouses, hazardous chemical warehouses and sewage treatment station with complete functions.

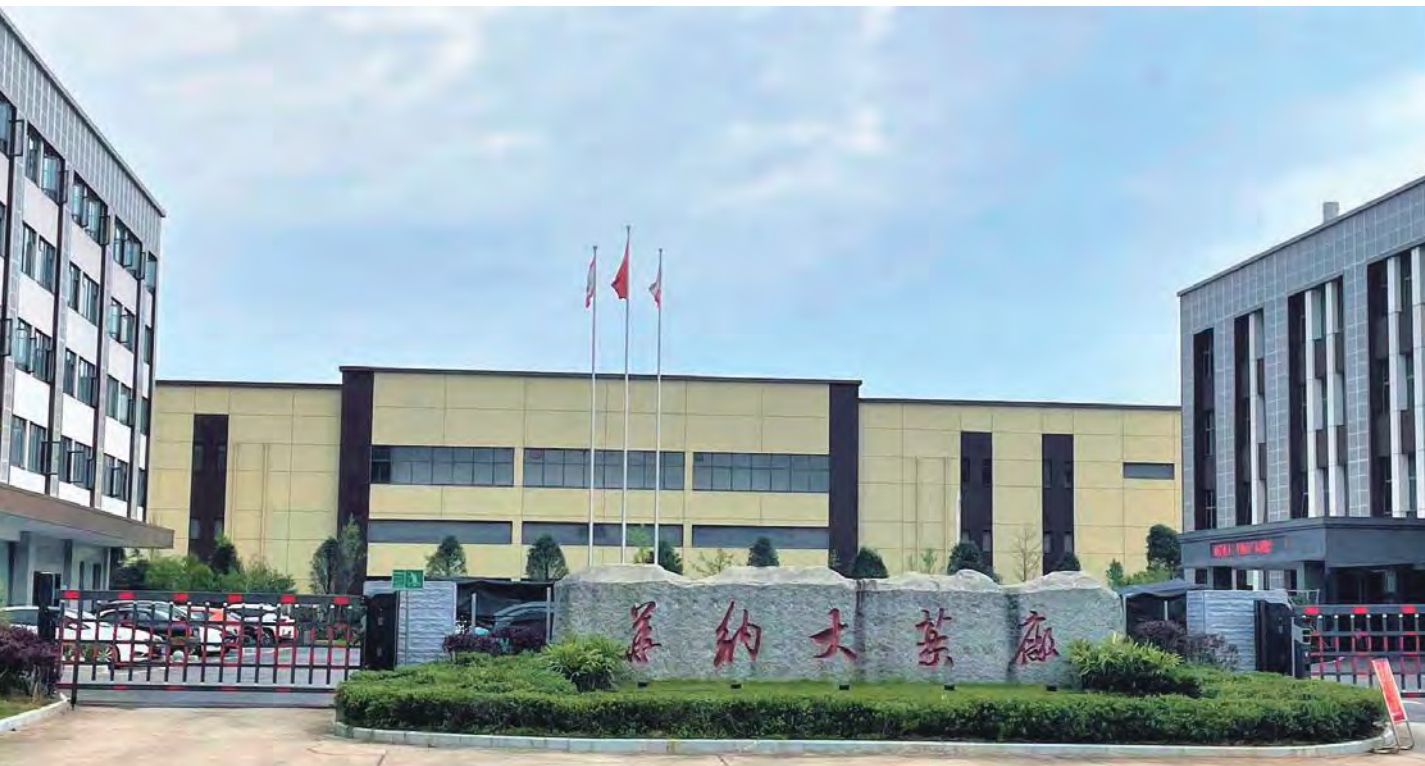
In the aspect of quality system, the company adheres to the general quality policy of "Quality first, Technology Leading", it has successively passed the official inspections from China, South Korea, Russia and other countries. Now the company is actively preparing for official certification from Japan and the United States.

In the aspect of R&D system, the company is a national high-tech enterprise driven by R&D. The company has founded the Hunan Provincial Chiral Drug Engineering Research Center to be responsible for new product research and development, and has established the Product Technology Transfer Center and Product Technology Transformation Center, focusing on the technology transfer of new products and the process optimization of products in production, which can continue to provide the company strong support in new products and products with stable quality and good price.

In the aspect of marketing platform construction, the company will focus on customer needs, and implement the development strategy of integrating the registration reference with the strategic customization during the whole product life cycle and provide technical services for the whole industrial chain of API products. Finally, we will reach the goal of forming resource integration, mutual trust and win-win strategic partners with customers.

## 湖南华纳大药厂天然药物有限公司介绍

ABOUT HUNAN WARRANT NATURAL PHARMACEUTICAL CO., LTD.



湖南华纳大药厂天然药物有限公司是华纳药厂的全资子公司,位于浏阳经开区南园,占地86亩。公司专业定位于药材种植,中药饮片、植物提取物与植物成分原料、食品、保健品、中成药的研发与生产。公司植提年处理能力超过5000吨,相应配套的提取物生产车间,已于2016年通过国内GMP认证、2020年通过韩国MFDS的认证。

公司以裸花紫珠提取物、黄连提取物、常春藤提取物等天然植物产品为先导,积极拓展国内外植物原料药以及膳食补充剂等大健康产业市场。同时,还负责承接各种植物提取物、保健食品、食品的委托加工和合作开发,积极推动公司大健康产业链的发展。

Hunan Warrant Natural Pharmaceutical Co., Ltd., a wholly-owned subsidiary of Warrant Pharmaceutical Group, is located in the South Park of Liuyang Economic and Technology Development Zone, covering an area of 86 mu. The company is specialized in the cultivation of traditional Chinese medicinal crops, R&D and manufacture of Chinese herbal pieces, herbal extracts and plant ingredients, food, health products, and Chinese patent medicines. The company's annual processing capacity of herbal extracts exceeds 5000 tons, and the corresponding production workshop has passed the domestic GMP certification in 2016 and the Korea MFDS certification in 2020.

The company prioritizes natural plant products, such as Callicarpa Nudiflora Extract, Rhizoma Coptidis Extract and Ivy leaf Extract, and actively expands the market of health industries such as plant APIs and dietary supplements at home and abroad. At the same time, it undertakes the CMO and CRO of various herbal extracts, health food and food, and vigorously promotes the development of the company's health industry chain.

## 湖南华纳大药厂手性药物有限公司 GLANCE OF HUNAN WARRANT CHIRAL PHARMACEUTICAL CO., LTD.



## 湖南华纳大药厂天然药物有限公司 GLANCE OF HUNAN WARRANT NATURAL PHARMACEUTICAL CO., LTD.



## API (COMMERCIAL PRODUCT) 原料药 (常备供应)

| 序号 | 中文名           | 英文名                               | CAS号        | 规格                 | 包装             |
|----|---------------|-----------------------------------|-------------|--------------------|----------------|
| 1  | 泮托拉唑钠 (一水合物)  | Pantoprazole Sodium               | 718635-09-7 | CP/In-house        | 5kg/桶, 25kg/桶  |
| 2  | 泮托拉唑钠 (倍半水合物) | Pantoprazole Sodium Sesquihydrate | 164579-32-2 | In-house           | 25kg/桶         |
| 3  | 恩替卡韦          | Entecavir                         | 209216-23-9 | USP/In-house       | 500g/袋         |
| 4  | 枸橼酸托法替布       | Tofacitinib Citrate               | 540737-29-9 | In-house           | 10kg/桶, 25kg/桶 |
| 5  | 氯雷他定          | Loratadine                        | 79794-75-5  | CP/In-house        | 20kg/桶         |
| 6  | 替格瑞洛          | Ticagrelor                        | 274693-27-5 | EP/In-house        | 15kg/桶         |
| 7  | 吗替麦考酚酯        | Mycophenolate Mofetil             | 128794-94-5 | CP/EP/In-house     | 20kg/桶         |
| 8  | 磷霉素氨丁三醇       | Fosfomycin Trometamol             | 78964-85-9  | CP/EP/In-house     | 25kg/桶         |
| 9  | 盐酸西替利嗪        | Cetirizine Hydrochloride          | 83881-52-1  | CP/EP/USP/In-house | 25kg/桶         |
| 10 | 法罗培南钠         | Faropenem Sodium                  | 122547-49-3 | CP/In-house        | 25kg/桶         |
| 11 | 依地酸钙钠         | Calcium Disodium Edetate          | 62-33-9     | CP/In-house        | 25kg/桶         |
| 12 | 蒙脱石           | Montmorillonite                   | /           | CP/In-house        | 25kg/桶         |
| 13 | 胶体果胶铋         | Colloidal Bismuth Pectin          | /           | CP/In-house        | 25kg/桶         |
| 14 | 克霉唑           | Clotrimazole                      | 23593-75-1  | CP/EP/USP/In-house | 25kg/桶         |
| 15 | 多库酯钠          | Docusate Sodium                   | 577-11-7    | In-house           | 25kg/桶         |
| 16 | 磷酸氢二钠         | Disodium Hydrogen Phosphate       | 7558-79-4   | In-house           | 25kg/桶         |

| 序号 | 中文名        | 英文名                                       | CAS号        | 规格              | 包装                            |
|----|------------|---|-------------|-----------------|-------------------------------|
| 17 | 磷酸二氢钠      | Sodium Dihydrogen Phosphate               | 10049-21-5  | CP/In-house     | 25kg/桶                        |
| 18 | 磷酸氢二钾 三水合物 | Dipotassium Hydrogen phosphate Trihydrate | 16788-57-1  | CP/In-house     | 25kg/桶                        |
| 19 | 磷酸二氢钾      | Potassium Dihydrogen Phosphate            | 7778-77-0   | CP/In-house     | 25kg/桶                        |
| 20 | 盐酸羟嗪       | Hydroxyzine Hydrochloride                 | 2192-20-3   | USP/In-house    | 20kg/桶, 25kg/桶                |
| 21 | 甘氨酸胆碱      | Choline Alfoscerate                       | 28319-77-9  | KP/In-house     | 5kg/桶, 10kg/桶, 20kg/桶, 25kg/桶 |
| 22 | 甲磺酸帕珠沙星    | Pazufloxacin Mesilate                     | 163680-77-1 | In-house        | 25kg/桶                        |
| 23 | 胶体酒石酸铋     | Colloidal Bismuth Tartrate                | /           | In-house        | 25kg/桶                        |
| 24 | 氟马西尼       | Flumazenil                                | 78755-81-4  | USP/CP/In-house | 10g/袋                         |
| 25 | 米力农        | Milrinone                                 | 78415-72-2  | CP/In-house     | 500g/桶                        |
| 26 | 琥珀酸亚铁      | Ferrous Succinate                         | 10030-90-7  | In-house        | 25kg/桶                        |

## API (CUSTOMIZED PRODUCT) 原料药 (协议订制供应)

| 序号 | 中文名     | 英文名                 | CAS号        | 规格                 | 包装                    |
|----|---------|---------------------|-------------|--------------------|-----------------------|
| 1  | 地夸磷索钠   | Diquafosol Sodium   | 211427-08-6 | In-house           | 5kg/桶, 10kg/桶, 25kg/桶 |
| 2  | 富马酸伏诺拉生 | Vonoprazan Fumarate | 881681-01-2 | In-house           | 25kg/桶                |
| 3  | 舒更葡糖钠   | Sugammadex Sodium   | 23031-32-5  | CP/EP/USP/In-house | 5kg/桶, 25kg/桶         |
| 4  | 硫酸钠     | Sodium Sulfate      | 7757-82-6   | CP/In-house        | 25kg/桶                |

| 序号 | 中文名     | 英文名                      | CAS号        | 规格                     | 包装                       |
|----|---------|--------------------------|-------------|------------------------|--------------------------|
| 5  | 硫酸特布他林  | Terbutaline Sulfate      | 23031-32-5  | CP/EP/USP/<br>In-house | 5kg/桶, 25kg/桶            |
| 6  | 乙酰半胱氨酸  | Acetylcysteine           | 616-91-1    | CP/In-house            | 5kg/桶, 10kg/桶,<br>25kg/桶 |
| 7  | 左奥硝唑    | Levornidazole            | 166734-83-4 | CP/In-house            | 25kg/桶                   |
| 8  | 硝普钠     | Sodium Nitroprusside     | 13755-38-9  | CP/In-house            | 25kg/桶                   |
| 9  | 盐酸贝尼地平  | Benidipine Hydrochloride | 91599-74-5  | In-house               | 5kg/桶                    |
| 10 | 右布洛芬    | Dexibuprofen             | 51146-56-6  | In-house               | 25kg/桶                   |
| 11 | 精氨酸布洛芬  | Ibuprofen Arginine       | 57469-82-6  | In-house               | 10kg/桶, 25kg/桶           |
| 12 | 碳酸镧     | Lanthanum Carbonate      | 6487-39-4   | In-house               | 25kg/袋                   |
| 13 | 重酒石酸间羟胺 | Metaraminol Bitartrate   | 33402-03-8  | CP/In-house            | 1kg/袋                    |
| 14 | 硫酸艾莎康唑鎓 | Isavuconazonium Sulfate  | 946075-13-4 | In-house               | 500g/袋, 1kg/袋            |
| 15 | 酒石酸肾上腺素 | Epinephrine Bitartrate   | 51-42-3     | USP/In-house           | 500g/袋, 1kg/袋            |
| 16 | 贝前列素钠   | Beraprost Sodium         | 88475-69-8  | JP/In-house            | 500g/袋, 1kg/袋            |
| 17 | 西甲硅油    | Simethicone              | 8050-81-5   | In-house               | 500g/袋, 1kg/袋            |
| 18 | 硫酸钾     | Potassium Sulphate       | 7778-80-5   | EP/In-house            | 500g/袋, 1kg/袋            |
| 19 | 盐酸阿罗洛尔  | Arotinolol Hydrochloride | 68377-91-3  | JP/In-house            | 500g/袋, 1kg/袋            |
| 20 | 酒石酸阿福特罗 | Formoterol tartrate      | 200815-49-2 | In-house               | 500g/袋, 1kg/袋            |
| 21 | 硫酸镁     | Magnesium sulfate        | 7487-88-9   | EP/USP/<br>In-house    | 500g/袋, 1kg/袋            |
| 22 | 非诺贝特胆碱  | Choline Fenofibrate      | 856676-23-8 | In-house               | 500g/袋, 1kg/袋            |

| 序号 | 中文名        | 英文名                         | CAS号        | 规格                     | 包装            |
|----|------------|-----------------------------|-------------|------------------------|---------------|
| 23 | 溴夫定        | Brivudine                   | 69304-47-8  | In-house               | 5kg/桶         |
| 24 | 异丙托溴铵      | Ipratropium Bromide         | 66985-17-9  | In-house               | 2kg/桶         |
| 25 | 硫酸沙丁胺醇     | Salbutamol Sulfate          | 51022-70-9  | CP/In-house            | 5kg/桶         |
| 26 | 盐酸左旋沙丁胺醇   | Levalbuterol Hydrochloride  | 50293-90-8  | In-house               | 5kg/桶         |
| 27 | 肾上腺素       | Epinephrine                 | 51-43-4     | CP/EP/USP/<br>In-house | 1kg/桶, 5kg/桶  |
| 28 | 重酒石酸去甲肾上腺素 | Norepinephrine Bitartrate   | 108341-18-0 | CP/USP/In-house        | 500g/袋, 1kg/袋 |
| 29 | 盐酸去氧肾上腺素   | Phenylephrine Hydrochloride | 61-76-7     | CP/USP/KP/<br>In-house | 5kg/桶, 25kg/桶 |
| 30 | 盐酸异丙肾上腺素   | Isoprenaline Hydrochloride  | 51-30-9     | CP/EP/In-house         | 5kg/桶, 25kg/桶 |
| 31 | 双氯芬酸钠      | Diclofenac Sodium           | 15307-79-6  | CP/In-house            | 25kg/桶        |
| 32 | 奥硝唑        | Ornidazole                  | 16773-42-5  | CP/In-house            | 25kg/桶        |
| 33 | 盐酸阿比朵尔     | Arbidol Hydrochloride       | 131707-23-8 | In-house               | 500g/袋, 1kg/袋 |
| 34 | 艾司奥美拉唑镁    | Esomeprazole Magnesium      | 217087-09-7 | CP/EP/USP/<br>In-house | 500g/袋, 1kg/袋 |

## EXCIPIENTS 药用辅料

| 序号 | 中文名  | 英文名              | CAS号      | 给药途径                     | 规格          | 产品状态 |
|----|------|------------------|-----------|--------------------------|-------------|------|
| 1  | 氨丁三醇 | Trometamol       | 77-86-1   | 注射、吸入、眼用、局部<br>及舌下、透皮、口服 | CP/In-house | A    |
| 2  | 糖精钠  | Saccharin Sodium | 6155-57-3 | 口服、其他                    | CP/In-house | A    |

| 序号 | 中文名       | 英文名                                       | CAS号       | 给药途径                 | 规格          | 产品状态 |
|----|-----------|---|------------|----------------------|-------------|------|
| 3  | 琥珀酸       | Succinic Acid                             | 110-15-6   | 注射、眼用、局部及舌下、口服、其他    | CP/In-house | A    |
| 4  | 磷酸二氢钾     | Potassium Dihydrogen Phosphate            | 7778-77-0  | 注射、口服                | CP/In-house | A    |
| 5  | 磷酸氢二钾三水合物 | Dipotassium Hydrogen Phosphate Trihydrate | 16788-57-1 | 注射、口服                | CP/In-house | A    |
| 6  | 依地酸二钠     | Disodium Edetate                          | 6831-92-6  | 注射、眼用、局部及舌下、透皮、口服、其他 | CP/In-house | A    |
| 7  | 枸橼酸       | Citric Acid                               | 5949-29-1  | 注射、眼用、局部及舌下、口服、其他    | CP/In-house | A    |
| 8  | 焦亚硫酸钠     | Sodium Metabisulfite                      | 7681-57-4  | 注射、眼用、局部及舌下、口服、其他    | CP/In-house | A    |
| 9  | 十二烷基硫酸钠   | Sodium Lauryl Sulfate                     | 151-21-3   | 局部及舌下、口服、其他          | CP/In-house | A    |
| 10 | DL-酒石酸    | DL-Tartaric Acid                          | 133-37-9   | 注射、口服                | CP/In-house | A    |
| 11 | 苯甲酸钠      | Sodium Benzoate                           | 532-32-1   | 注射、局部及舌下、口服、其他       | CP/In-house | A    |
| 12 | 丙二醇       | Propylene Glycol                          | 57-55-6    | 注射、眼用、局部及舌下、口服、其他    | CP/In-house | A    |
| 13 | 醋酸钠       | Sodium Acetate                            | 6131-90-4  | 注射、眼用、口服、其他          | CP/In-house | A    |
| 14 | 环拉酸钠      | Sodium Cyclamate                          | 139-05-9   | 口服                   | CP/In-house | A    |
| 15 | 氯化钙       | Calcium Chloride                          | 10035-04-8 | 注射、口服                | CP/In-house | A    |
| 16 | 麦芽糊精      | Maltodextrin                              | 9050-36-6  | 口服                   | CP/In-house | A    |
| 17 | 无水亚硫酸钠    | Anhydrous Sodium Sulfite                  | 7757-83-7  | 注射、局部及舌下、口服          | CP/In-house | A    |
| 18 | 乙醇        | Ethanol                                   | 64-17-5    | 注射、眼用、局部及舌下、透皮、口服、其他 | CP/In-house | A    |

| 序号 | 中文名  | 英文名            | CAS号      | 给药途径                    | 规格          | 产品状态 |
|----|------|----------------|-----------|-------------------------|-------------|------|
| 19 | 蔗糖   | Sucrose        | 57-50-1   | 口服                      | CP/In-house | A    |
| 20 | 枸橼酸钠 | Sodium Citrate | 6132-04-3 | 注射、吸入、眼用、局部及舌下、透皮、口服、其他 | CP/In-house | A    |

## INTERMEDIATES 医药中间体

| 序号 | 中文名  | 英文名   | CAS号         | 类别            |
|----|--|---|--------------|---------------|
| 1  | 2-氯甲基-3,4-二甲氧基吡啶盐酸盐  | 2-Chloromethyl-3,4-dimethoxypyridinium chloride   | 72830-09-2   | 泮托拉唑钠中间体      |
| 2  | 5-(二氟甲氧基)-2-巯基-1H-苯并咪唑   | 5-(Difluoromethoxy)-2-mercapto-1H-benzimidazole   | 97963-62-7   | 泮托拉唑钠中间体      |
| 3  | (2S,5R)-5-[(苄氧基)氨基]哌啶-2-甲酸乙酯草酸盐  | (2S,5R)-Ethyl 5-((benzyloxy)amino)piperidine-2-carboxylate oxalate  | 1416134-48-9 | 阿维巴坦中间体       |
| 4  | 异丙基-β-D-硫代半乳糖苷(IPTG)   | Isopropyl-beta-D-thiogalactopyranoside  | 367-93-1     | 中间体           |
| 5  | 2-[[[(3aR,4S,6R,6aS)-6-氨基四氢-2,2-二甲基-4H-环戊并-1,3-二噁茂-4-基]氧基]-乙醇(2R,3R)-2,3-二羟基丁二酸盐 | 2-[[[(3aR,4S,6R,6aS)-6-Amino-2,2-dimethyltetrahydro-3aH-cyclopenta[d][1,3]dioxol-4-yl)oxy]ethanol(2R,3R)-2,3-dihydroxysuccinate | 376608-65-0  | 替格瑞洛中间体(TG-1) |
| 6  | (1R,2S)-2-(3,4-二氟苯基)环丙胺(R)-扁桃酸盐  | (1R,2S)-2-(3,4-Difluorophenyl)cyclopropanamine(R)-2-Hydroxy-2-phenylacetate   | 376608-71-8  | 替格瑞洛中间体(TG-2) |
| 7  | 4,6-二氯-2-(丙硫基)-5-氨基嘧啶  | 4,6-Dichloro-2-propylthiopyrimidine-5-amine   | 145783-15-9  | 替格瑞洛中间体(TG-3) |
| 8  | N-((3R,4R)-1-苄基-4-甲基哌啶-3-基)-N-甲基-7H-吡咯并[2,3-D]嘧啶-4-胺                             | N-((3R,4R)-1-Benzyl-4-methylpiperidin-3-yl)-N-methyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine   | 477600-73-0  | 枸橼酸托法替布中间体    |
| 9  | N-甲基-N-((3R,4R)-4-甲基哌啶-3-基)-7H-吡咯并[2,3-D]嘧啶-4-胺                                  | N-Methyl-N-((3R,4R)-4-methylpiperidin-3-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine  | 477600-74-1  | 枸橼酸托法替布中间体    |



| 序号 | 中文名                       | 英文名   | CAS号        | 类别     |
|----|---------------------------|---|-------------|--------|
| 10 | (E)-5-(2-甲氧羰基乙烯基)-2'-脱氧尿苷 | (E)-5-(2-carbomethoxyvinyl)-2'-deoxyuridine | 86163-17-9  | 溴夫定中间体 |
| 11 | (E)-5-(2-羧基乙烯基)-2'-脱氧尿苷   | (E)-5-(2-carboxyvinyl)-2'-deoxyuridine      | 74131-06-09 | 溴夫定中间体 |

## HERBAL EXTRACTS

### 植物提取物

| 序号 | 中文名     | 英文名                          | 规格  | 认证/注册情况               |
|----|---------|------------------------------|---|-----------------------|
| 1  | 裸花紫珠提取物 | Callicarpa Nudiflora Extract | 总黄酮 (Flavones): 20%-30%   | GMP                   |
| 2  | 黄连提取物   | Rhizoma Coptidis Extract     | 盐酸小檗碱 (Berberine): 20%  | GMP, MFDS Registered  |
| 3  | 常春藤提取物  | Ivy Leaf Extract             | 常春藤皂苷C (Hederacoside C): 10%-20%  | GMP, MFDS Registered  |
| 4  | 夏枯草提取物  | Prunella Spike Extract       | 齐墩果酸 (Oleanolic acid): 2.8%-8.4%;<br>迷迭香酸 (Rosmarinic acid): 0.7%-2.1%                                  | GMP, MFDS Registered  |
| 5  | 绿茶提取物   | Green Tea Extract            | 多酚 (Polyphenols): 30%-95%;<br>表没食子茶素没食子酸酯 (EGCG): 10%-98%;<br>儿茶素 (Catechin): 10%-98%                   | GMP, MFDS Registering |
| 6  | 卷柏提取物   | Selaginella Extract          | 穗花杉双黄酮 (Amentoflavone): 6%-35%  | GMP                   |
| 7  | 芍药提取物   | Paeonia Lactiflora Extract   | 芍药苷 (Paeoniflorin): 10%-60%   | GMP, SC               |
| 8  | 银杏叶提取物  | Ginkgo Biloba Extract        | 总黄酮醇苷 (Flavonoides): 24%;<br>总黄酮醇苷/萜类内酯 (Flavonoides/Terpene lactones): 24%/6%;<br>CP2015/CP2020/USP/EP | GMP                   |
| 9  | 黄芩提取物   | Scutellaria Root Extract     | 黄芩苷 (Baicalin): 30%-90%   | GMP                   |

## 技术支持 (杂质对照品)

我公司提供原料药产品的杂质对照品, 包括EP杂质、USP杂质、CP杂质、基因毒性杂质以及降解杂质等全系列杂质对照品, 以助力关联制剂产品顺利通过审评。所有杂质均能提供COA及HPLC, NMR, MASS等图谱。同时我们也提供杂质对照品的定制服务。

|            |             |             |
|------------|-------------|-------------|
| 地夸磷索钠杂质系列  | 舒更葡糖钠杂质系列   | 富马酸伏诺拉生杂质系列 |
| 替格瑞洛杂质系列   | 硫酸艾莎康唑杂质系列  | 枸橼酸托法替布杂质系列 |
| 泮托拉唑钠杂质系列  | 盐酸西替利嗪杂质系列  | 溴夫定杂质系列     |
| 异丙托溴铵杂质系列  | 恩替卡韦杂质系列    | 克霉唑杂质系列     |
| 盐酸贝尼地平杂质系列 | 酮咯酸氨丁三醇杂质系列 | 双氯芬酸钠杂质系列   |
| 氯雷他定杂质系列   | 吗替麦考酚酯杂质系列  | 乙酰半胱氨酸杂质系列  |

# 部分合作客户

OUR CLIENTS

