

# 化工品目录

## Chemical Products Catalog



“全方位、一站式” 化学品解决方案

# Chemical

# Products

# Catalog

### 有机合成中间体

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### Organic Synthesis Intermediates

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### Specialty chemicals for electronics

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## 关于氢易

氢易能源科技有限公司成立于2021年，源自西安交通大学十余年的科研积淀，起步于有机液态储氢技术领域，基于对储氢载体（氮杂环类化合物）的深度开发，成功将领先的分子结构设计与合成工艺优势延伸至特种化学品赛道，**全面布局半导体材料、光电材料及医药中间体等高附加值业务。**

面向前沿材料市场，公司聚焦高难度、高纯度化合物的定制开发与规模化生产。全资子公司氢易化工已构筑起成熟的产业化底座，一期千吨级化学品生产线已全面建成投产。结合近百项自主专利，可为客户提供涵盖**“分子设计—工艺开发—规模量产”**的一站式解决方案，打通从概念研发至产业落地的全周期价值转化闭环。

氢易能源现已获得红杉中国、重塑集团、国中资本等知名机构的数亿元投资。未来，公司将持续赋能新材料创新，致力于成为全球半导体、光电及医药领域顶尖的特种化合物定制专家与核心材料服务商。



## About HydroTransformer

Founded in 2021, Shaanxi Hydrotransformer Energy Technology Co., Ltd. builds upon over a decade of extensive R&D heritage from Xi'an Jiaotong University. The company originated in the field of Liquid Organic Hydrogen Carriers (LOHC). Through the in-depth development of core hydrogen carriers (N-heterocyclic compounds), we have successfully leveraged our cutting-edge advantages in molecular structure design and synthesis processes to extend our footprint into the specialty chemicals sector. **Today, we have strategically expanded into high-value-added businesses, encompassing semiconductor materials, optoelectronic materials, and pharmaceutical intermediates.**

Targeting the advanced materials market, the company focuses on the custom development and mass production of complex, high-purity compounds. Our wholly-owned subsidiary, QingYi Chemical, has established a robust foundation for commercial manufacturing, with its Phase I 1,000-ton-class production line fully commissioned in early 2025. Backed by a strong portfolio of nearly 100 independent patents, we provide clients with comprehensive, one-stop solutions spanning **"molecular design – process development – mass production."** This capability allows us to drive a closed-loop, full-lifecycle value transformation from conceptual R&D to final industrialization.

Hydrotransformer has successfully secured hundreds of millions of RMB in strategic investments from prominent institutions, including Sequoia China, REFIRE Group, and Guozhong Capital. Looking ahead, the company will continue to empower innovations in advanced materials, dedicated to becoming a globally leading expert in custom specialty compounds and a premier core materials provider for the semiconductor, optoelectronic, and pharmaceutical industries.



## 氢易能源总部 & 工厂 Headquarters & Manufacturing Plant



## 生产设施 Production Facilities



## 业务范围

### 工艺开发与优化

小试定制开发—精准设计合成路线—攻克关键技术难度—复杂分子定制连续流化学技术—显著提升工艺安全性与效率

### 分离提纯工艺包开发

结晶、精馏、色谱分离等工艺深度优化，攻克高纯度( $\geq 99.9\%$ )、低热敏性产品的规模化纯化难题

### 工程化放大生产

完成从毫克级到吨级的稳定放大，同步配套杂质谱研究及CQA控制策略，确保工艺稳健性

### 专用设备集成制造

自主设计生产高密封性反应系统、高效分离装置及连续化生产线，实现工艺与设备的深度耦合优化

## Business Line

### “Development & Optimization”

Focus on chemical structure design, process synthesis, process optimization, scale-up and production.

### “Chemical Purification”

Crystallization, distillation, and chromatographic separation techniques are used to overcome the challenges of large-scale purification of high-purity (99.9%) and low-thermosensitivity products.

### “Scale-up Production”

Complete stable scale-up production from milligram to ton level, equipped with MS analysis and CQA control to ensure process stability.

### “Specialized Equipment”

Independently design high-sealing reaction systems, high-efficiency separation devices and continuous production lines to achieve deep coupling of process and equipment.

“全方位、一站式”  
定制化学品解决方案

One-stop customized  
chemical solutions

高纯度  
( $\geq 99.9\%$ )  
规模化

Support chemicals development and  
commercialization across all stages  
of the development life cycle.

专注于解决高附加值  
化合物研发落地难题

安全性 ↑

Safety ↑

效率 ↑

Efficiency ↑

工艺稳健

Stability ↑

从实验室到工业生产  
全生命周期化学品定制服务

# 吲哚衍生物

专注于为制药、香精香料和染料行业提供高纯度、可定制的吲哚衍生物

## Indole Derivatives

Indole derivatives find wide applications in fragrance ingredients (floral notes, fixatives), pharmaceutical intermediates (alkaloids, active pharmaceutical ingredients), agrochemicals (plant hormones, pesticides), and fine chemical synthesis.

Packaging: 25kg/drum, 200kg/drum

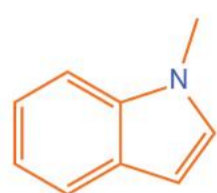


吲哚 Indole

CAS: 120-72-9

纯度: ≥99.0%/≥99.5% (香料级)

包装规格: 25kg桶/200kg/吨

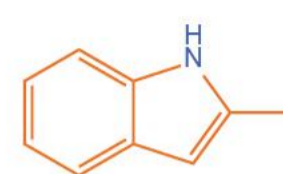


N-甲基吲哚 N-Methylindole

CAS: 603-76-9

纯度: ≥99.0%

包装规格: 25kg桶/200kg/吨

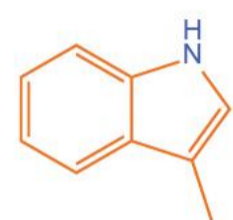


2-甲基吲哚 2-Methylindole

CAS: 95-20-5

纯度: ≥99.0%

包装规格: kg包/25kg桶/200kg

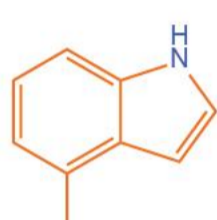


3-甲基吲哚 3-Methylindole

CAS: 83-34-1

纯度: ≥99.0%

包装规格: kg包/25kg桶/200kg



4-甲基吲哚 4-Methylindole

CAS: 16096-32-5

纯度: ≥99.0%

包装规格: 25kg桶



5-甲基吲哚 5-Methylindole

CAS: 614-96-0

纯度: ≥99.0%

包装规格: kg包/25kg桶

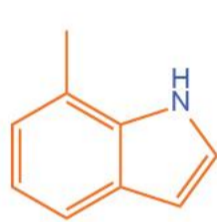


6-甲基吲哚 6-Methylindole

CAS: 3420-02-8

纯度: ≥99.0%

包装规格: kg包/25kg桶

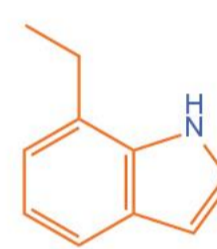


7-甲基吲哚 7-Methylindole

CAS: 933-67-5

纯度: ≥99.0%

包装规格: 25kg桶/200kg



7-乙基吲哚 7-Ethylindole

CAS: 22867-74-9

纯度: ≥99.0%

包装规格: 25kg桶/200kg

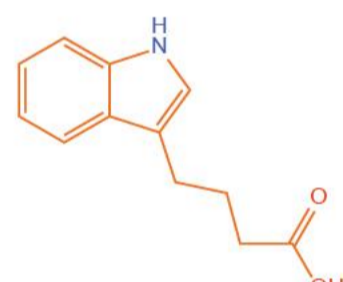


吲哚-3-甲醇 Indole-3-carbinol

CAS: 700-06-1

纯度: ≥99.0%

包装规格: kg包/25kg桶



吲哚-3-丁酸

Indole-3-butyric acid

CAS: 133-32-4

纯度: ≥99.0%

包装规格: kg包/25kg桶

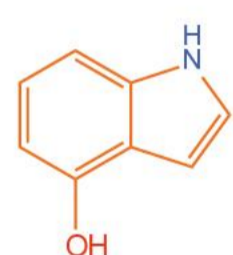


吲哚啉 Indoline

CAS: 496-15-1

纯度: ≥99.0%

包装规格: 25kg桶

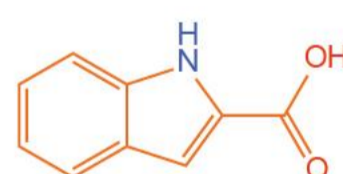


4-羟基吲哚 4-Hydroxyindole

CAS: 2380-94-1

纯度: ≥99.0%

包装规格: 25kg桶



2-吲哚甲酸

Indole-2-carboxylic acid

CAS: 1477-50-5

纯度: ≥99.0%

包装规格: kg包/25kg桶



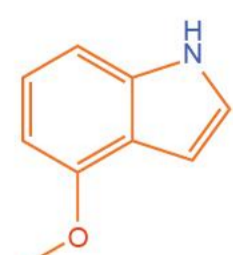
5,6-二羟基吲哚

5,6-Dihydroxyindole

CAS: 3131-52-0

纯度: ≥99.0%

包装规格: kg包/25kg桶

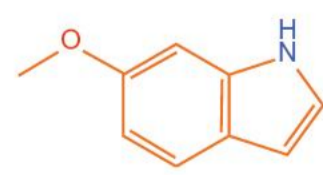


4-甲氧基吲哚 4-Methoxyindole

CAS: 4837-90-5

纯度: ≥99.0%

包装规格: kg包/25kg桶

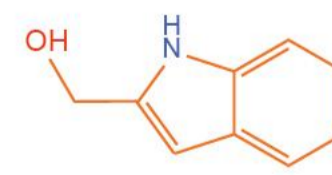


6-甲氧基吲哚 6-Methoxyindole

CAS: 3189-13-7

纯度: ≥99.0%

包装规格: kg包/25kg桶



2-甲羟基吲哚

1H-Indole-2-methanol

CAS: 24621-70-3

纯度: ≥99.0%

包装规格: 25kg桶/200kg



5-氟吲哚 5-Fluoroindole

CAS: 399-52-0

纯度: ≥98.0%

包装规格: kg包/25kg桶

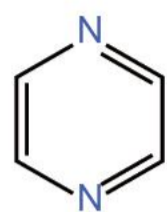
## 吡嗪衍生物

专注于为制药、香精香料、农用化学品和特种化学品行业提供高质量的吡嗪衍生物

### Pyrazine Derivatives

Elevate R&D and production with HydroTransformer. We supply high-quality pyrazine derivatives to the pharmaceutical, flavor and fragrance, agrochemical, and specialty chemical industries. Mastering 100+ synthesis processes, our technical team provides solutions from molecular design to scalable production.

Packaging: 25kg/drum, 200kg/drum

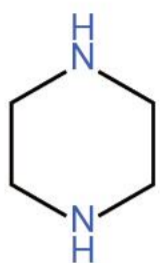


吡嗪 Pyrazine

CAS: 290-37-9

纯度: ≥99.0%

包装规格: kg包/25kg桶

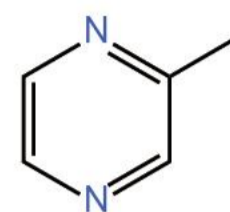


哌嗪 Piperazine

CAS: 110-85-0

纯度: ≥99.0%

包装规格: kg包/25kg桶

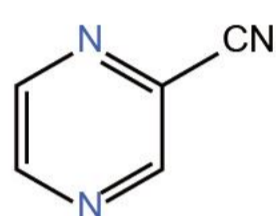


2-甲基吡嗪 2-Methylpyrazine

CAS: 109-08-0

纯度: ≥99.0%

包装规格: 25kg桶

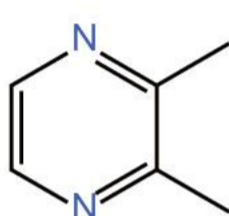


2-氰基吡嗪 2-Cyanopyrazine

CAS: 19847-12-2

纯度: ≥99.0%

包装规格: 25kg桶



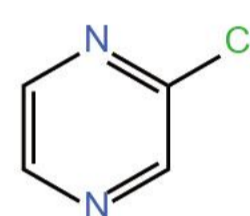
2,3-二甲基吡嗪

2,3-Dimethylpyrazine

CAS: 5910-89-4

纯度: ≥99.0%

包装规格: 25kg桶



2-氯吡嗪 2-Chloropyrazine

CAS: 14508-49-7

纯度: ≥99.0%

包装规格: 25kg桶

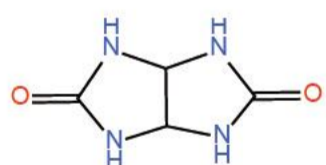
## 甘脲衍生物

专注于为涂料、半导体、水处理和特种材料行业提供高纯度、可定制的甘脲衍生物

### Glycoluril Derivatives

Elevate R&D and production with HydroTransformer. We specialize in providing high-purity, customizable glycoluril derivatives for the coatings, semiconductor, water treatment, and specialty materials industries. Mastering 100+ synthesis processes, our technical team provides solutions from molecular design to scalable production.

Packaging: 25kg/drum, 200kg/drum

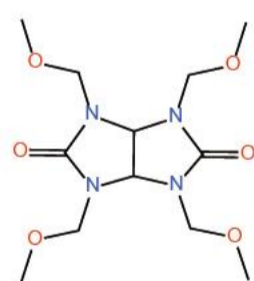


甘脲 Glycoluril

CAS: 496-46-8

纯度: ≥98.0%

包装规格: 25kg桶/200kg/吨

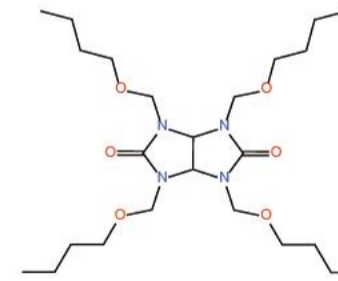


1,3,4,6-四(甲氧甲基)甘脲

CAS: 17464-88-9

纯度: 99%/99.5%/99.8%/99.9%

包装规格: 25kg桶/200kg/吨



1,3,4,6-四(丁氧甲基)甘脲

CAS: 15968-37-3

纯度: ≥98.0%

包装规格: kg包/25kg桶



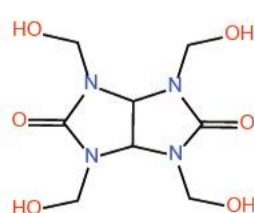
N,N,N',N'-四(丁氧甲基)脲

N,N,N',N'-Tetrakis(butoxymethyl)urea

CAS: 43539-97-1

规格1: 纯度≥99.5%, 总杂≤500ppb

规格2: 纯度≥99.9%, 单一金杂≤10ppb



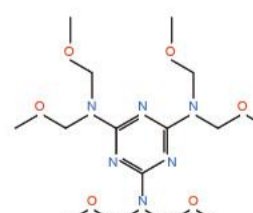
1,3,4,6-四羟甲基甘脲

Tetramethylol Acetylenediurea

CAS: 5395-50-6

纯度: ≥99.0%

包装规格: 25kg桶/200kg/吨



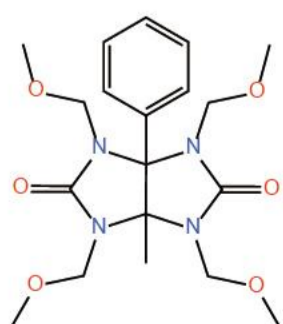
六甲氧甲基三聚氰胺

Hexakis(methoxymethyl)melamine

CAS: 3089-11-0

规格1: ≥99%

规格2: ≥99%, 总金杂≤50ppb

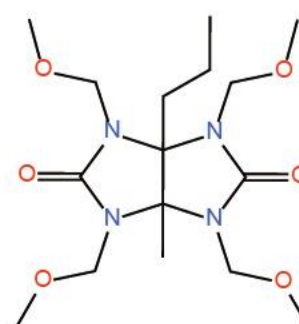


3A-苯基-6A-甲基-1,3,4,6-四甲氧甲基甘脲

CAS: 721969-01-3

规格1: ≥99%

规格2: ≥99%, 总金杂≤50ppb



3A-甲基-6A-正丙基-1,3,4,6-四甲氧甲基甘脲

CAS: 220140-29-4

纯度: ≥99.0%

包装规格: kg包/25kg桶

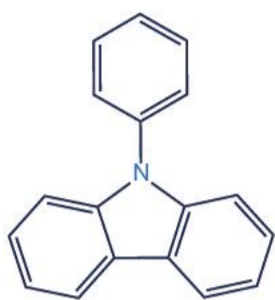
## 咪唑衍生物

专注于为OLED和特种材料行业提供高纯度、可定制的咪唑衍生物

### Carbazole Derivatives

Elevate R&D and production with HydroTransformer. We specialize in providing high-purity, customizable carbazole derivatives for OLEDs, specialty materials industries. Mastering 100+ synthesis processes, our technical team provides solutions from molecular design to scalable production.

Packaging: 25kg/drum, 200kg/drum

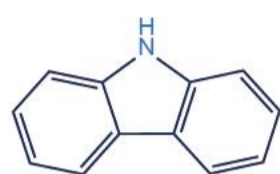


**N-苯基咪唑 9-Phenylcarbazole**

CAS: 1150-62-5

纯度: ≥99.0%

包装规格: kg包/25kg桶

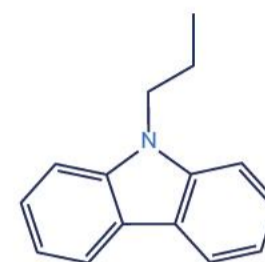


**咪唑 Carbazole**

CAS: 86-74-8

纯度: ≥99.0%

包装规格: kg包/25kg桶

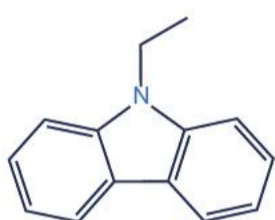


**N-丙基咪唑 N-Propylcarbazole**

CAS: 1484-10-2

纯度: ≥99.0%

包装规格: kg包/25kg桶

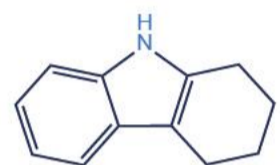


**N-乙基咪唑 N-Ethylcarbazole**

CAS: 86-28-2

纯度: ≥99.0%

包装规格: kg包/25kg桶



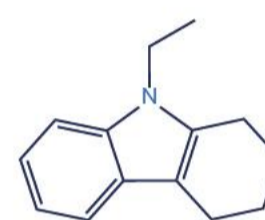
**四氢咪唑**

**1,2,3,4-Tetrahydrocarbazole**

CAS: 942-01-8

纯度: ≥99.0%

包装规格: kg包/25kg桶

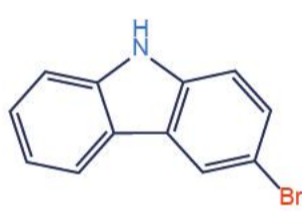


**N-乙基四氢咪唑**

CAS: 37391-52-9

纯度: ≥99.0%

包装规格: kg包/25kg桶

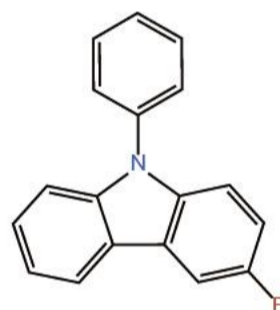


**3-溴咪唑 3-Bromo-9H-Carbazole**

CAS: 1592-95-6

纯度: ≥99.0%

包装规格: kg包/25kg桶



**3-溴-N-苯基咪唑**

**3-Bromo-9-phenylcarbazole**

CAS: 1153-85-1

纯度: ≥99.0%

包装规格: kg包/25kg桶

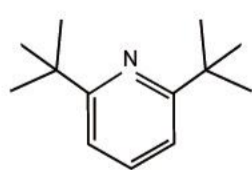
## 吡啶衍生物

专注于为制药、OLED和特种材料行业提供高纯度、可定制的吡啶衍生物

### Pyridine Derivatives

Elevate R&D and production with HydroTransformer. We specialize in providing high-purity, customizable pyridine derivatives for pharmaceutical, OLEDs, specialty materials industries. Mastering 100+ synthesis processes, our technical team provides solutions from molecular design to scalable production.

Packaging: 25kg/drum, 200kg/drum



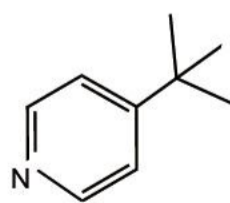
**2,6-二叔丁基吡啶**

**2,6-Di-tert-butylpyridine**

CAS: 585-48-8

纯度: ≥99.0%

包装规格: kg包/25kg桶



**4-叔丁基吡啶**

**4-Tert-butylpyridine**

CAS: 3978-81-2

纯度: ≥99.0%

包装规格: kg包/25kg桶



中国石油



中国石化 SINOPEC



鹏飞集团 PENGFEI GROUP



国家电投 SPIC



中国海工 CHINA OFFSHORE



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