

化工品目录

Chemicals Products Catalog



“全方位、一站式” 化学品解决方案

2026-5



有机合成中间体

吲哚衍生物 吡嗪衍生物

Organic Synthesis Intermediates

Indole Derivatives Pyrazine Derivatives

电子化学品

甘脲衍生物 吡啶衍生物 咔唑衍生物

Specialty chemicals for electronics

Glycoluril Derivatives Pyridine Derivatives Carbazole Derivatives

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.** 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

氢易能源**专注于开发氮杂环系列化学品，包括吡啶、甘脲、吡啶、吡嗪、咪唑及其衍生物。**公司拥有超百名团队成员及27,000m²的研发与生产设施，可为有机氢载体、医药、光电材料、半导体材料及特种化学品等领域的全球客户提供覆盖整个生命周期的生产开发服务。凭借在化学结构设计、合成、分析表征及工业化放大方面的专业技术，我们可为合作伙伴提供从分子设计到规模化生产各创新阶段的定制化解决方案。

HydroTransformer was established in 2021 and focuses on developing a series of nitrogen-containing heterocyclic aromatic chemicals, including indole, carbazole, aniline, pyrazine and their derivatives.

With a team of over 100 members and a 27,000m² facility, HydroTransformer provides materials development and commercialization across all stages of the development life cycle for global customers in the fields of organic hydrogen storage carriers, pharmaceuticals, photoelectric materials, semiconductor materials and specialty chemicals. With expertise in chemicals structure design, synthesis, analytical characterization, and scale-up, we provide customized support to our partners across every stage of innovation from molecule to manufacturing.



生产设施 Production Facilities

将分子创新转化为可靠的工业规模生产
Transforming molecular innovation into reliable industrial scale production.

规模: 占地面积34亩
状态: 一期工程已全面投入运营
设施配置:

- * 精细化工及催化剂生产车间
- * 大容量罐区及标准化仓储系统
- * 环保合规的基础配套设施

Scale: 22,600+ m²
Status: Phase I Fully Operational.
Facilities:

- * Fine Chemical & Catalyst Production Plants.
- * High-Capacity Tank Farms & Standardized Warehousing.
- * Environmentally Compliant Support Infrastructure.

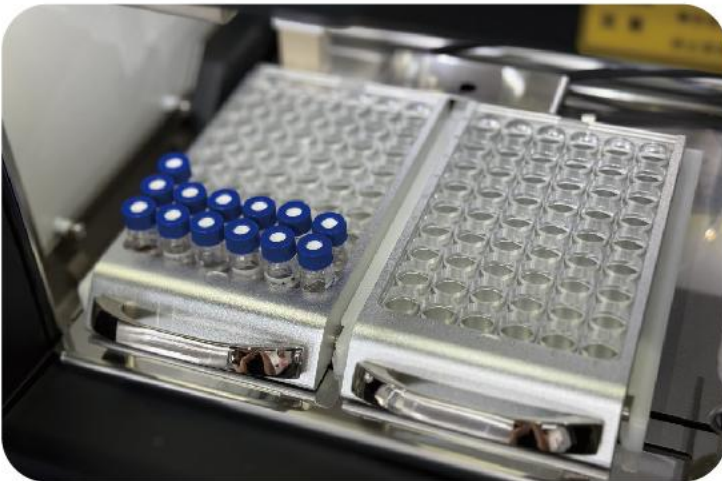


卓越分析 & 质量控制 Analytical Excellence & Quality Control

先进分析能力
材料表征能力
品质管控能力
痕量金属杂质纯化解决方案

配备LC-MS、GC-MS、HPLC及GC等分析仪器，可对复杂混合物及微量杂质进行精准的定性与定量分析；
全面配备BET比表面积分析仪、卡尔费休水分测定仪及高精度pH计，专用于材料的表征测试；
以数据驱动的工艺优化为基石，确保每批次产品均满足最严苛的纯度、水分及客户定制化要求；
提供经行业验证的痕量金属杂质纯化技术方案。致力于保障材料的极限纯度，为半导体可靠制造保驾护航。

- ***Advanced Analysis:** LC-MS, GC-MS, HPLC, and GC for precise qualitative/quantitative profiling of complex mixtures and trace impurities.
- ***Material Characterization:** Fully equipped with BET analyzers, Karl Fischer titrators, and high-precision pH meters for hydrogen storage materials.
- ***Uncompromising Quality:** Data-driven process optimization ensures every batch meets the strictest purity, moisture, and client-specific requirements.
- ***Trace Metal Impurities Purification Solutions:** Delivering industry-proven trace metal impurities purification solutions. We guarantee ultimate material purity to safeguard reliable semiconductor manufacturing.



质量管理 Quality Management

氢易能源已全面通过**ISO 9001 (质量管理体系)**、**ISO 14001 (环境管理体系)** 和**ISO 45001 (职业健康安全管理体系)** 三项管理体系权威认证。
HydroTransformer is fully certified with **ISO 9001 (Quality Management System)**, **ISO 14001 (Environmental Management System)**, and **ISO 45001 (Occupational Health and Safety Management System)**. To consistently deliver exceptional value and better serve our clients, we are deeply committed to the continuous improvement and optimization of our Quality Management System.



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(≥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
(≥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

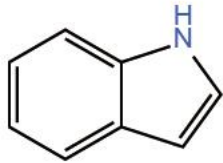
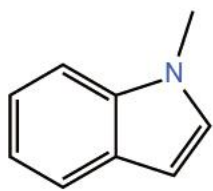
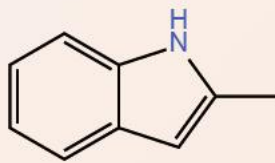
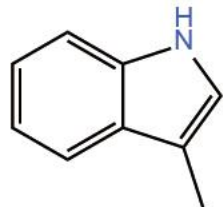
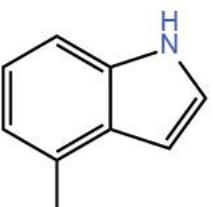
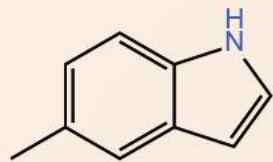
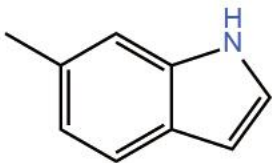
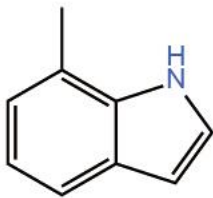
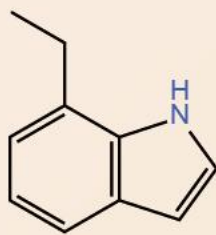
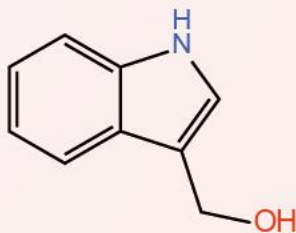
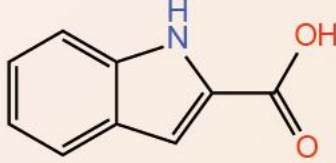
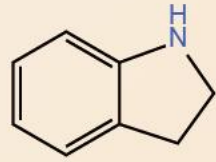
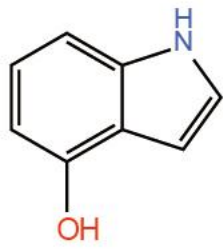
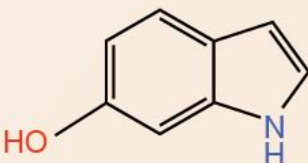
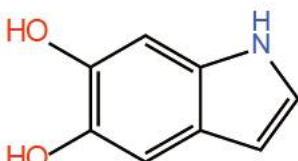
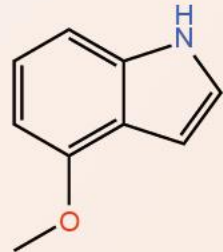
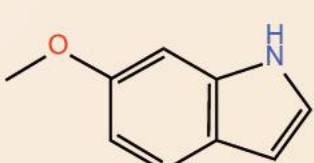
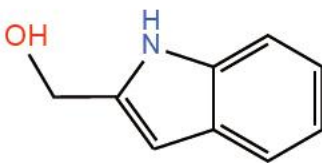
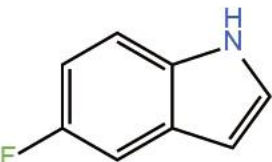
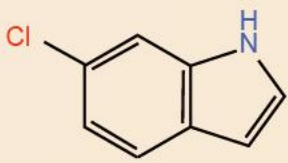
吲哚衍生物

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: 1kg/box, 20kg/drum, 25kg/drum, 200kg/drum, 1ton/drum

 吲哚 Indole CAS:120-72-9 纯度Purity:99.0%/ ≥99.5%(香料级 F&F grade)	 N-甲基吲哚 N-Methylindole CAS:603-76-9 纯度Purity:≥99.0%	 2-甲基吲哚 2-Methylindole CAS:95-20-5 纯度Purity:≥99.0%
 3-甲基吲哚 3-Methylindole CAS:83-34-1 纯度Purity:≥99.0%	 4-甲基吲哚 4-Methylindole CAS:16096-32-5 纯度Purity:≥99.0%	 5-甲基吲哚 5-Methylindole CAS:614-96-0 纯度Purity:≥99.0%
 6-甲基吲哚 6-Methylindole CAS:3420-02-8 纯度Purity:≥99.0%	 7-甲基吲哚 7-Methylindole CAS:933-67-5 纯度Purity:≥99.0%	 7-乙基吲哚 7-Ethylindole CAS:22867-74-9 纯度Purity:≥99.0%
 吲哚-3-甲醇 Indole-3-carbinol CAS:700-06-1 纯度Purity:≥99.0%	 2-吲哚甲酸 Indole-2-carboxylic acid CAS:1477-50-5 纯度Purity:≥99.0%	 吲哚啉 Indoline CAS:496-15-1 纯度Purity:≥99.0%
 4-羟基吲哚 4-Hydroxyindole CAS:2380-94-1 纯度Purity:≥99.0%	 6-羟基吲哚 6-Hydroxyindole CAS:2380-86-1 纯度Purity:≥99.0%	 5,6-二羟基吲哚 5,6-Dihydroxyindole CAS:3131-52-0 纯度Purity:≥99.0%
 4-甲氧基吲哚 4-Methoxyindole CAS:4837-90-5 纯度Purity:≥99.0%	 6-甲氧基吲哚 6-Methoxyindole CAS:3189-13-7 纯度Purity:≥99.0%	 2-甲羟基吲哚 1H-Indole-2-methanol CAS:24621-70-3 纯度Purity:≥99.0%
 5-氟吲哚 5-Fluorindole CAS:399-52-0 纯度Purity:≥99.0%	 6-氯吲哚 6-Chloroindole CAS:17422-33-2 纯度Purity:≥99.0%	 7-氟吲哚 7-Fluorindole CAS:387-44-0 纯度Purity:≥99.0%

“全系化学品均由氢易能源自主研发。其中,彩色标注产品【●】特别提供高纯度现货,支持批量稳定采购” The entire line of chemical products is independently developed by Hydrotransformer. Notably, the color marked products 【●】 are available in high purity for immediate delivery, supporting stable and bulk procurement.

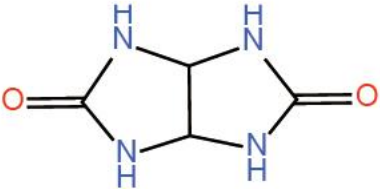
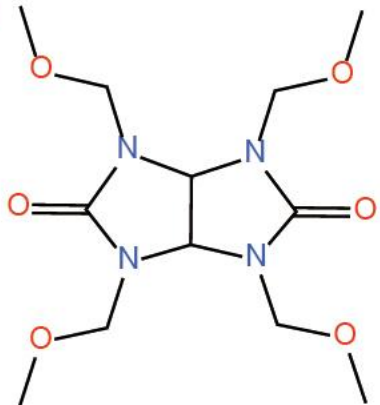
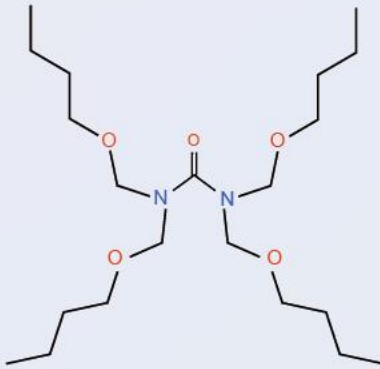
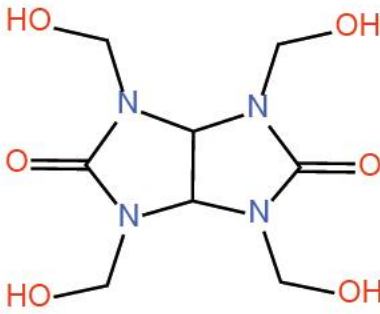
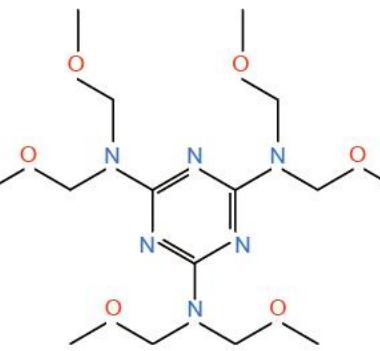
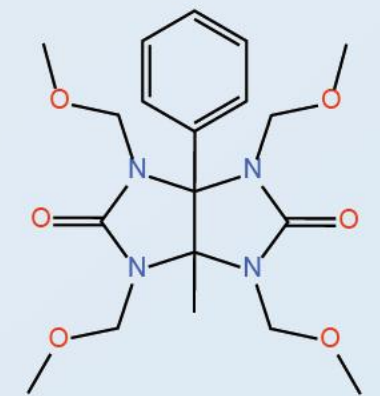
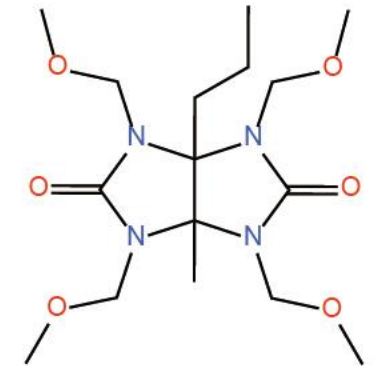
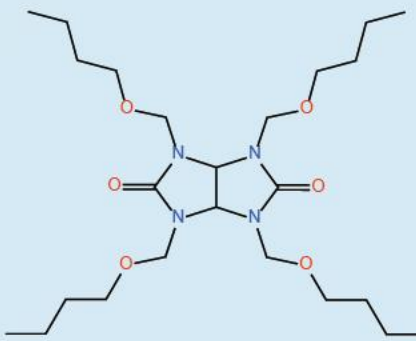
甘脲衍生物

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: 1kg/box, 20kg/drum, 25kg/drum, 200kg/drum, 1ton/drum

	甘脲 Glycoluril CAS:496-46-8 规格1:纯度≥98% 规格2:纯度≥99.5%, 总金杂≤500ppb	Specification 1:Purity≥98% Specification 2:Purity≥99.5%, Total metal impurities≤500ppb	
	1,3,4,6-四(甲氧甲基)甘脲 CAS:17464-88-9 1,3,4,6-Tetrakis(methoxymethyl)glycoluril A3 (J) 纯度Purity≥99.4% 总金杂Total metal impurities≤500 ppb	A1 (涂料级 Coating grade) 纯度Purity:94%~98% A4 纯度Purity≥99.8% 总金杂Total metal impurities≤500 ppb	A2 纯度Purity≥99.1% A5 纯度Purity≥99.8% 总金杂Total metal impurities≤50 ppb
	N,N,N',N'-四(丁氧基甲基)脲 N,N,N',N'-Tetrakis(butoxymethyl)urea CAS:43539-97-1 规格1:纯度≥99.5%, 总金杂≤500ppb 规格2:纯度≥99.9%, 单一金杂≤10ppb	Specification 1:Purity≥99.5%,Total metal impurities≤500ppb Specification 2:Purity≥99.9%,Single metal impurity≤10ppb	
	1,3,4,6-四羟甲基甘脲 Tetramethylol Acetylenediurea CAS:5395-50-6 规格1:纯度≥99% 规格2:纯度≥99.5%, 总金杂≤500ppb	Specification 1:Purity≥99% Specification 2:Purity≥99.5%,Total metal impurities≤500ppb	
	六甲氧基甲基三聚氰胺 CAS:3089-11-0 Hexakis(methoxymethyl)melamine 规格1:纯度≥99%, 总金杂≤500ppb 规格2:纯度≥99.5%, 单一金杂≤10ppb	Specification 1:Purity≥99%,Total metal impurities≤500ppb Specification 2:Purity≥99.5%,Single metal impurity≤10ppb	
	3A-甲基-6A-苯基-1,3,4,6-四甲氧甲基甘脲 Tetrahydro-1,3,4,6-tetrakis(methoxymethyl)-3a-methyl-6a-phenylimidazo[4,5-d]imidazole-2,5(1h,3h)-dione 规格1:≥99.5%, 总金杂≤500ppb 规格2:≥99.9%, 单一金杂≤10ppb	CAS:721969-01-3 Specification 1:≥99.5%,Total metal impurities≤500ppb Specification 2:≥99.9%,Single metal impurity≤10ppb	
	3A-甲基-6A-正丙基-1,3,4,6-四甲氧甲基甘脲 3a-methyl-6a-n-propyl-1,3,4,6-tetramethoxymethyl glycolurea CAS:220140-29-4 纯度Purity:≥99.0%		
	1,3,4,6-四(丁氧基甲基)甘脲 1,3,4,6-Tetrakis(butoxymethyl)glycoluril CAS:15968-37-3 纯度Purity:≥98.0%		

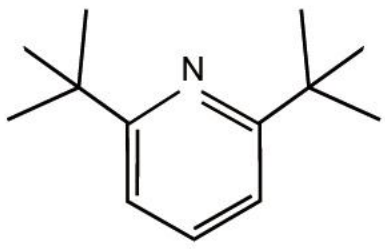
吡啉衍生物

专注于为制药、OLED和特种材料行业提供高纯度、可定制的吡啉衍生物

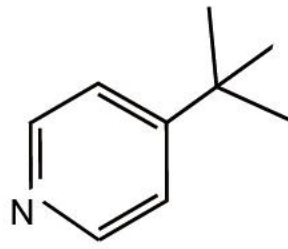
Pyridine Derivatives

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: 1kg/box, 20kg/drum, 25kg/drum, 200kg/drum, 1ton/drum



2,6-二叔丁基吡啉
2,6-Di-tert-butylpyridine
CAS:585-48-8
纯度Purity: ≥99.0%



4-叔丁基吡啉
4-Tert-butylpyridine
CAS:3978-81-2
纯度Purity: ≥99.0%

“全系化学品均由氢易能源自主研发。其中，彩色标注产品【●】特别提供高纯度现货，支持批量稳定采购” The entire line of chemical products is independently developed by Hydrotransformer. Notably, the color marked products 【●】 are available in high purity for immediate delivery, supporting stable and bulk procurement.

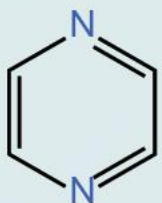
吡嗪衍生物

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

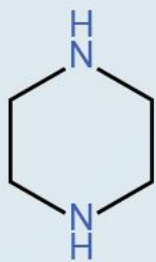
Pyrazine Derivatives

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.

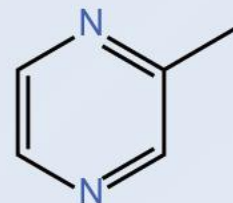
Packaging: 1kg/box, 20kg/drum, 25kg/drum, 200kg/drum, 1ton/drum



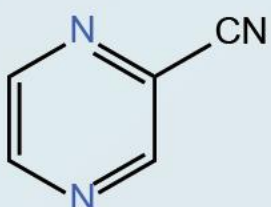
吡嗪
Pyrazine
CAS:290-37-9
纯度Purity: ≥99.0%



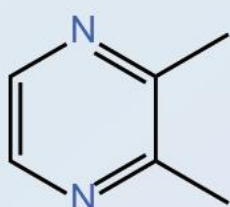
哌嗪
Piperazine
CAS:110-85-0
纯度Purity: ≥99.0%



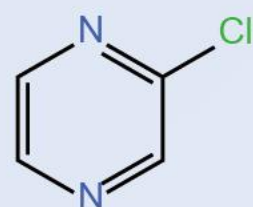
2-甲基吡嗪
2-Methylpyrazine
CAS:109-08-0
纯度Purity: ≥99.0%



2-氰基吡嗪
2-Cyanopyrazine
CAS:19847-12-2
纯度Purity: ≥99.0%



2,3-二甲基吡嗪
2,3-Dimethylpyrazine
CAS:5910-89-4
纯度Purity: ≥99.0%



2-氯吡嗪
2-Chloropyrazine
CAS:14508-49-7
纯度Purity: ≥99.0%

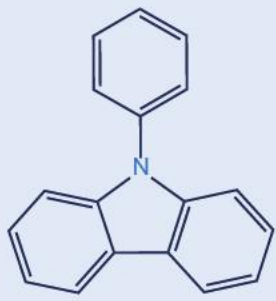
咔唑衍生物

专注于为OLED和特种材料行业提供高纯度、可定制的咔唑衍生物

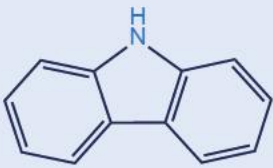
Carbazole Derivatives

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.

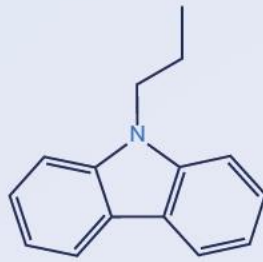
Packaging: 1kg/box, 20kg/drum, 25kg/drum, 200kg/drum, 1ton/drum



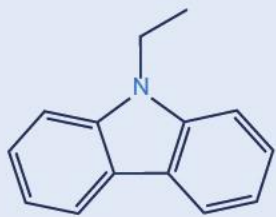
N-苯基咔唑
9-Phenylcarbazole
CAS:1150-62-5
纯度Purity: ≥99.0%



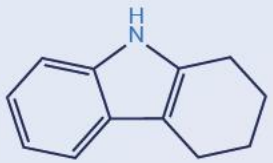
咔唑
Carbazole
CAS:86-74-8
纯度Purity: ≥99.0%



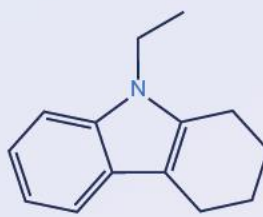
N-丙基咔唑
N-Propylcarbazole
CAS:1484-10-2
纯度Purity: ≥99.0%



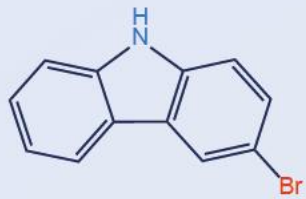
N-乙基咔唑
N-Ethylcarbazole
CAS:86-28-2
纯度Purity: ≥99.0%



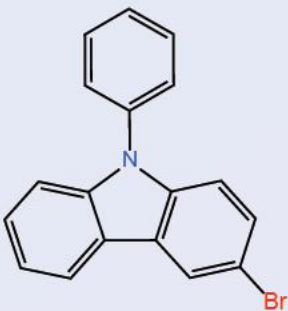
四氢咔唑
1,2,3,4-Tetrahydrocarbazole
CAS:942-01-8
纯度Purity: ≥99.0%



N-乙基四氢咔唑
1H-Carbazole
CAS:37391-52-9
纯度Purity: ≥99.0%



3-溴咔唑
3-Bromo-9H-Carbazole
CAS:1592-95-6
纯度Purity: ≥99.0%



3-溴-N-苯基咔唑
3-Bromo-9-phenylcarbazole
CAS:1153-85-1
纯度Purity: ≥99.0%



Partnership

合作伙伴



