



创新求实 真诚利他
Innovative, Pragmatic, Sincere and Altruistic

浙江八亿时空先进材料有限公司
Zhejiang Bayi Space Advanced Materials Co., Ltd

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股票代码 **688181.SH**
STOCK CODE



公 司 概 况

Company overview

浙江八亿时空先进材料有限公司是北京八亿时空液晶科技股份有限公司（股票代码：688181.SH）的全资子公司，为母公司在先进化学品领域的重要生产基地之一。

在电子化学品板块，公司为母公司配套生产液晶中间体、单体、OLED中间体及OLED升华前材料等上游关键原料，同时致力打造以光敏性聚酰亚胺（PSPI）、Krf光刻胶树脂为代表的高端电子化学品的自主研发与产业化平台，构建起覆盖研发、生产到销售的全链条能力。

公司生产的含官能团的有机合成砌块，也被广泛应用于医药、农药等与生命健康相关的行业，尤其是在接受客户订制加工方面，发挥着越来越重要的作用。



占地面积

Site Area: 268 mu (approx. 178,667 m²)



建筑面积

Floor Area: 192,000 m² (total planned)



员工人数

Employees: 175 (R&D: 30%)



注册资本

Registered Capital: RMB 579 million



项目投资总额

Total Investment: RMB 1.68 billion



Zhejiang Bayi Space Advanced Materials Co., Ltd. is a wholly-owned subsidiary of Beijing Bayi Space LCD Technology Co., Ltd (Stock Code: 688181.SH), and serves as one of the Group's primary manufacturing sites in the field of advanced chemicals.

In the electronic chemicals sector, the Company supplies its parent company with upstream key raw materials, including liquid crystal intermediates and monomers, OLED intermediates, and pre-sublimation OLED materials. Concurrently, it is dedicated to establishing a self-developed and industrialized platform for high-end electronic chemicals, with a particular focus on photosensitive polyimide (PSPI) and KrF photoresist resins. This platform encompasses a fully integrated value chain spanning R&D, production, and sales.

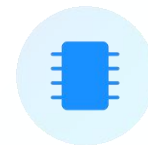
The functionalized organic building blocks manufactured by the company are also widely used in industries related to Life & Health, i.e. pharmaceuticals and agrochemicals. Obviously, we play more significant role in accepting Custom Synthesis and Manufacturing services for the valuable clients



显示材料

Display Materials

- 液晶单晶 & 中间体 Liquid Crystal Monomers & Intermediates
- OLED材料 & 中间体 LED Materials & Intermediates
- 氘代材料 Deuterated Materials



电子化学品

Electronic Chemicals

- 光敏聚酰亚胺 Photosensitive Polyimide (PSPI)
- KrF光刻胶树脂 KrF Photoresist Resins
- 单体光酸 Photoacid Generators (PAGs) / Monomeric Photoacids



医药 / 农药 中间体

Pharma & Pesticide Intermediates

- 有机硼酸 / 酯 Organic Boronic Acids/Esters
- 医药中间体 Pharmaceutical Intermediates
- 农药 / 农药中间体 Agrochemicals / Agrochemical Intermediates



聚合物分散液晶 PLDC

Polymer Dispersed Liquid Crystal

- 可聚合液晶材料及中间体 Polymerizable Liquid Crystal Materials & Intermediates
- 液晶手性剂 Chiral Dopants for Liquid Crystals



精制纯化多功能车间

Purification & Multifunctional Workshop

电子化学品级处理和分析技术，化学工程配套方面满足 Electronic chemicals-grade processing and analytical capabilities, Chemical engineering supports including:

- 萃取 Extraction
- 精馏 Distillation
- 重结晶 Recrystallization
- 金属痕量处理 Trace metal treatment
- 柱层析 / 色谱分离 Column chromatography / chromatographic separation
- 短程分子蒸馏 Short-path molecular distillation

满足杂质控制、成本要求的同时，还在杂质来源、结构鉴定、形成机理方面有深入研究

In addition to meeting impurity control and cost requirements, we also conduct in-depth research on impurity sources, structural identification, and formation mechanisms.

超低温反应 Ultra-Low Temperature Reaction

建有多条大小规模不一的超低温反应装置：
支持①低温 -78℃，②深冷反应最低 -120℃

Multiple ultra-low temperature reaction units of various scales are in place, supporting ① low-temperature reactions at -78 °C, and ② cryogenic reactions down to -120 °C.

加氢反应 & 金属催化 Hydrogenation & Metal Catalysis

- 支持气、液、固三相反应 Supports gas-liquid-solid three-phase reactions
- 加氢类、氢解脱保护基加工 Hydrogenation & hydrogenolytic deprotecting
- 催化技术与催化剂筛选 Catalytic technology and catalyst screening
- 各种金属催化支持 Supports metal-catalyzed reactions.

连续流、微通道反应 Flow Chem & Microchannel Reaction

引进连续流、微通道反应技术，对传质、传热要求高、物料粘度适合的反应优先尝试，积累了丰富的经验，为产品快速放大、生产无缝衔接提供保障。

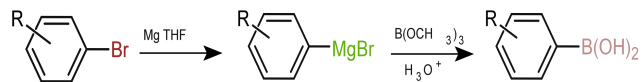
Continuous flow and microchannel reaction technologies. We prioritize trials for reactions with high mass/heat transfer demands and suitable material viscosities, accumulating extensive experience to ensure smooth scale-up and seamless production transition.



格式反应+硼酸酯化

Grignard Reaction + Borylation

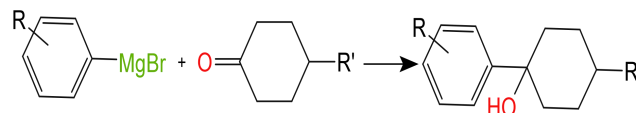
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格式反应+加成

Grignard Reaction + Addition

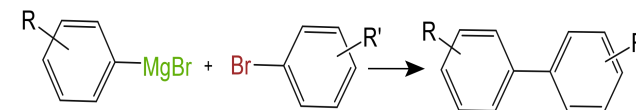
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格式反应+偶联

Grignard Reaction + Coupling

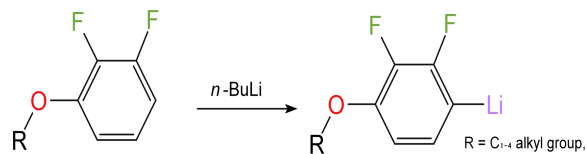
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超低温直接锂化

Ultra-low Temperature Lithiation

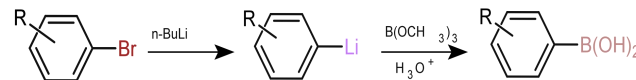
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锂卤交换+硼酸酯化

Lithium-Halogen Exchange & Borylation

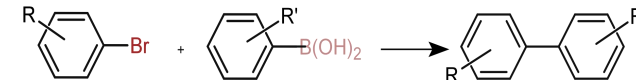
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铃木 - 宫浦交叉偶联反应

Suzuki-Miyaura Cross-Coupling Reaction

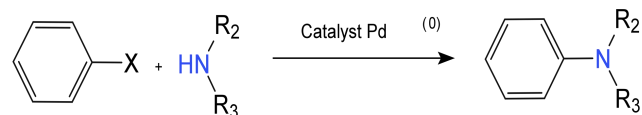
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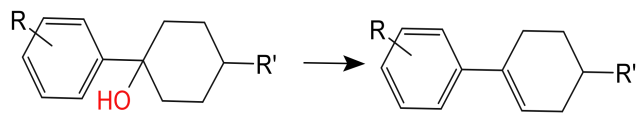
Buchwald-Hartwig 偶联反应

Buchwald-Hartwig Coupling Reaction



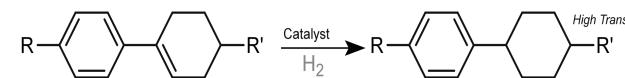
消除反应

Elimination Reaction



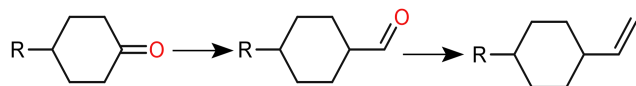
加氢反应

Hydrogenation Reaction



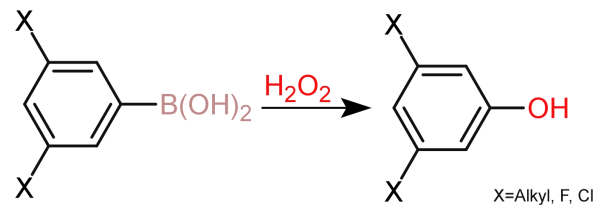
维蒂希反应

Wittig Reaction



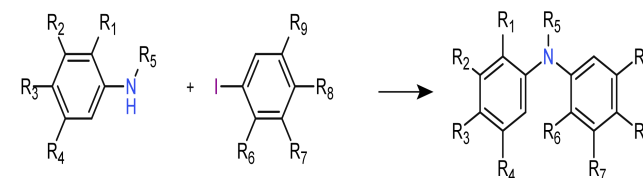
氧化反应

Oxidation Reaction



乌尔曼偶联反应

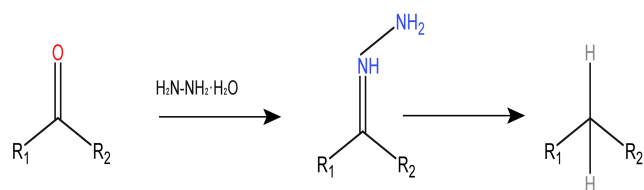
Ullmann Reaction





黄鸣龙还原反应

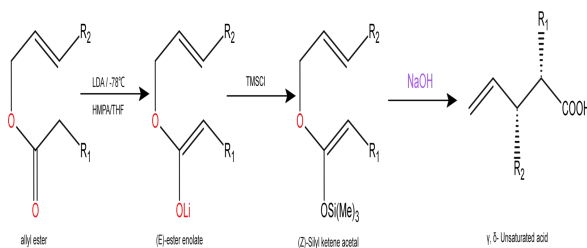
Wolff-Kishner Reaction



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重排反应

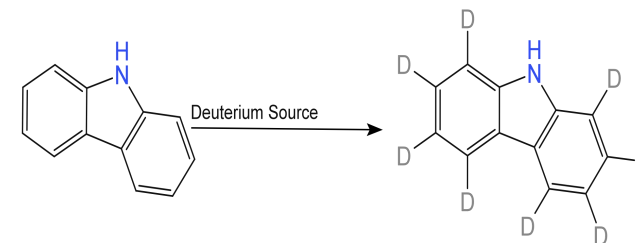
Claisen-Ireland Rearrangement



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4

氘代反应

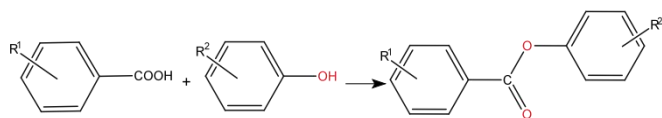
Deuterium Quenching



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酯化反应

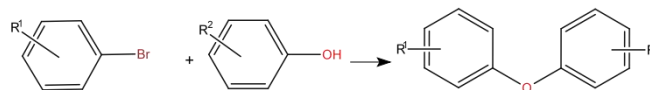
Esterification



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威廉姆逊醚化

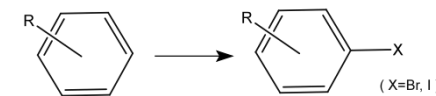
Williamson ether synthesis



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卤代反应

Halogenation reaction



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8



合 作 对 象
Who we work with

BOE

INNOLUX
群創光電

HKC 惠科

TRULY® 信利

 **华星光电**
CSOT


HENGKUN
恒 坤

IVO 龙腾光电

SDP
超视界显示技术

CEC | **CHOT**
中国电子