

Worldwide Presence

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- Delhi & Hyderabad, India



Contact us for more!

www.bldpharm.com

@BLDpharm

Ver.202601



BLD Website QR



Building Limitless Discoveries in Chemistry

Milligrams (mg) to Grams (g) | Kilogram to 100+ Kilograms | Tons (t) to Kilotons (kt)

www.bldpharm.com

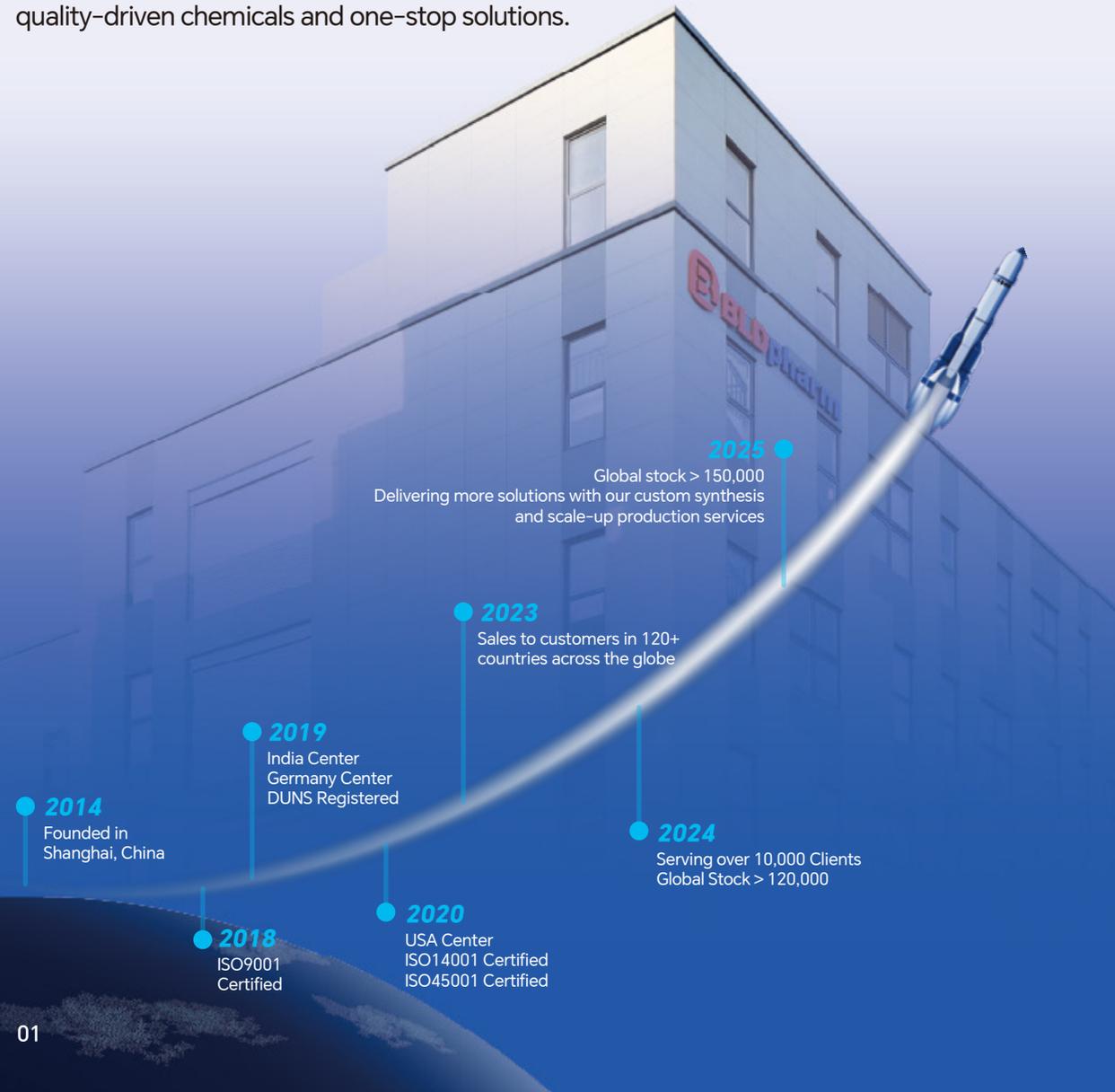
Who Are We?

Founded in 2014, BLD Pharmatech Ltd. now stands as a prominent leader in **research chemical manufacturing**.

We offer a comprehensive array of products and services at the forefront of **early-stage drug discovery and chemical innovations**.

Mission Statement

To be a trusted partner that propels our customers' research success by providing quality-driven chemicals and one-stop solutions.



Our Values



Why BLDpharm?



Our synchronized inventory data in Asia, Europe, and America supports same-day and overnight deliveries for local stock products, thanks to our global storage and delivery network.



Our ISO certifications and DUNS registration attest to our status as a trusted international partner.

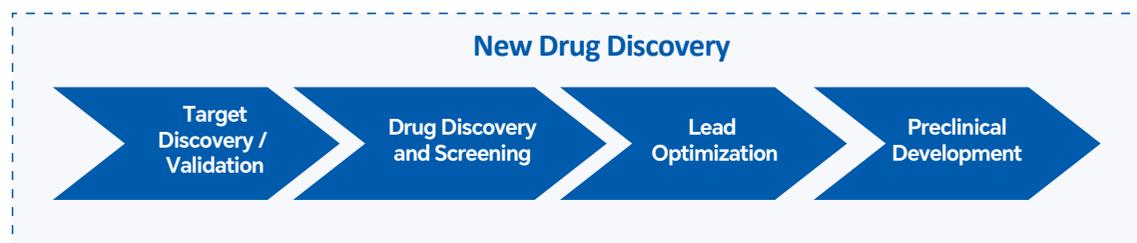


We provide end-to-end services, from R&D to sales and post-sales support, with a worldwide presence that has earned us an excellent industry reputation.



We employ cost-effective pricing strategies to guarantee both premium quality and excellent value for your investment.

Product Portfolio



↑ *Where our products are being applied in drug development roadmap*

▶ Drug Discovery

- Building Blocks • Pharmaceutical Intermediates • Catalysts and Ligands

▶ Life Science

- Inhibitors and Agonists • XDC Fragments • Amino Acids and Peptides

▶ Material Science

- Electronic Materials • Energy Materials • Biomedical Materials



Our Services

Custom Synthesis

Custom R&D Services

Tailored Solutions for Your Unique R&D Needs

Customer Confidentiality & Progress Updates

Secure, Transparent, and Client-Centric

Expanded Service Portfolio

Scalable Capabilities for Advanced Drug Discovery

Preparative Chromatography Service

BLD offers one-stop preparative chromatographic stand-alone services for separation, purification and production. We are equipped with prep-HPLC and prep-SFC production systems that can support milligram to kilogram scale production.

Prep-SFC & Prep-NPLC

What We Can Offer

Method Development

Chiral analysis and separation method development and optimization

Types of Compounds

Chiral or achiral compounds can be separated and purified

Scale of Sample Weight

Chiral separation at scale from milligram to kilogram, including chiral separation using Prep-SFC and prep-NPLC, concentration, QC.

Pilot-Plant & Commercial Manufacturing

BLD's contract factories

- GMP-certified manufacturers
- 10,000 liter reactors
- Quality control & assurance



From Lab to Commercial



Custom Research & Manufacturing Services

Innovation lies at the heart of BLD's core values, and it is powered by our effective R&D.

Expertise

Expert R&D Team-The Catalyst for Innovation

Technology Prowess

Cutting-Edge Tech, Leading the Industry

Innovation Hub

Tailored Innovation for Your Projects

Our R&D center provides steadfast support to our customers by ensuring process reliability and reproducibility, enhancing technology transfer efficiency, and optimizing both time and investment.

300,000 square feet area coverage

500+ fume hoods

200+ chemists and scientists

20,000+ compounds developed in-house

18+ years' experience in chemistry industry



Experimental Facilities



Reaction Types

Click Chemistry
Asymmetric Synthesis
Metal-Catalyzed Cross-Coupling Reaction
Photocatalysis
Flow Chemistry
Peptide Synthesis
Synthesis of Azide Derivatives
Synthesis of Cyanides

Research Fields & Synthesis Directions

Precision Polyethylene Glycol (PEG) Chemistry
Unnatural Amino Acid Chemistry
Fluorine Chemistry
Glycochemistry / Carbohydrate Chemistry
Small-Molecule Nucleoside Chemistry
PROTAC Medicinal Chemistry
Antibody-Drug Conjugate (ADC) Chemistry
Lipid Chemistry
Boronic Acids/Boronates

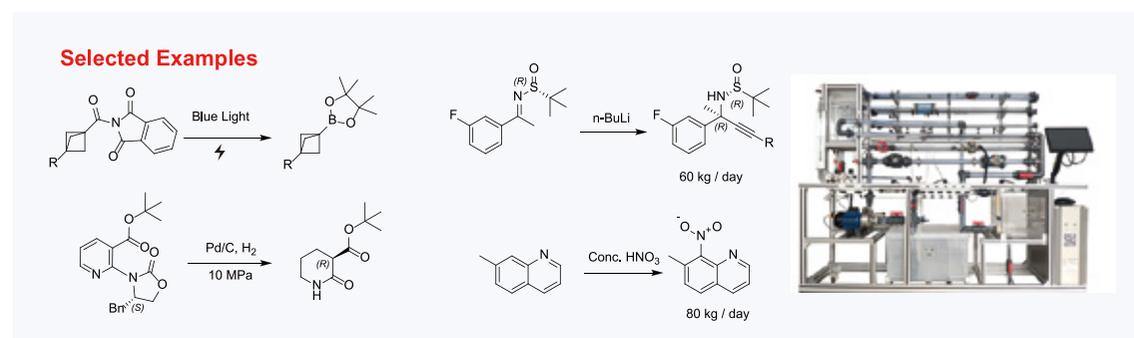
Featured Technology

Flow Chemistry

Our flow chemistry platform covers different reactions such as photocatalytic reaction, hydrogenation reaction, cryogenic reaction (up to $-80\text{ }^{\circ}\text{C}$), diazotization, nitration, etc.

Up to 10 kg productivity per day. Half solvent usage and almost no solid waste.

High conversion and better selectivity, while avoiding amplification effect.

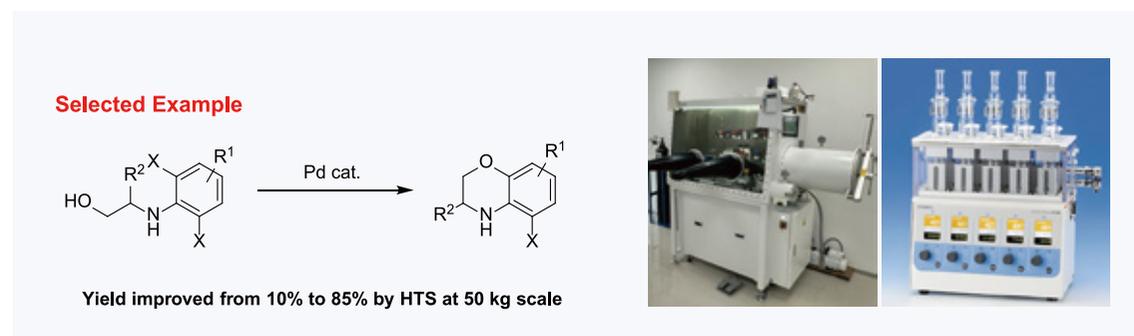


High Throughput Screening

More than 3,000 kinds of metal catalysts in stock enabling the best HTS results.

HTS covers different reactions such as Suzuki coupling, Buchwald coupling, Chan-Lam coupling, C-H activation, etc.

We have optimized a Pd catalyzed C-O bond coupling reaction by HTS to increase the yield from 10% up to 85%, leading to the timely delivery of a customized project at 50 kg scale.

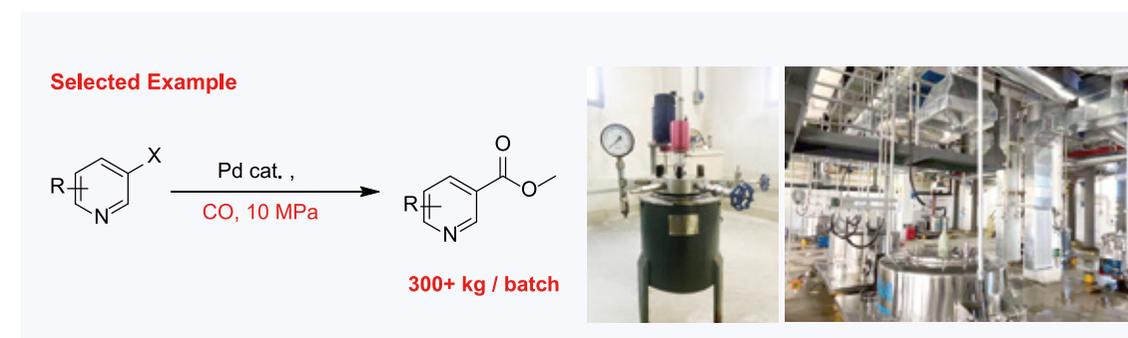


High Pressure Carbonylation

Functional groups such as carboxyl groups, ester groups and aldehyde groups are constructed from aryl halides under an atmosphere of carbon monoxide.

CO pressure up to 10 MPa in autoclave, which enables the conversion of SM as soon as possible.

Capacity up to 5000 L. in selected examples, leading to accomplishment of carbonylation reactions up to 100 kg scale.

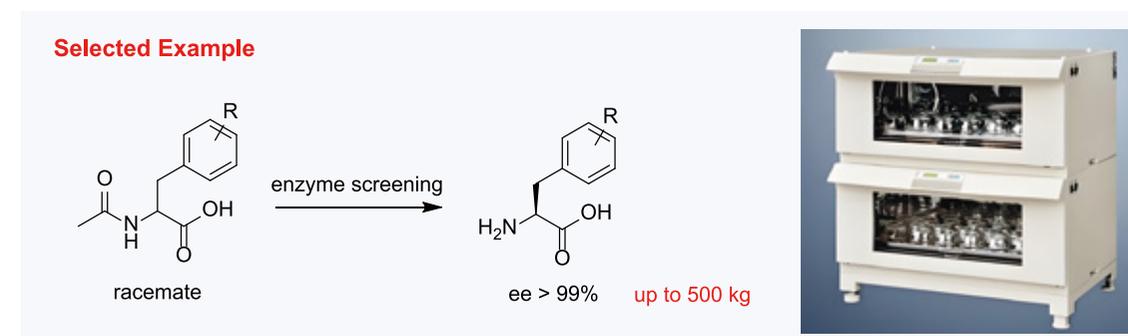


Enzyme Resolution

The resolution of chiral compounds is achieved by the highly selective hydrolysis of amide bonds or ester bonds via enzymes.

Over 100 commercial enzymes in stock allowing assay condition optimization.

In selected example, we have completed enzyme resolution up to 100 kg scale.



Pilot-Plant to Commercial Manufacturing Facilities

Pilot-Plant Equipment



Commercial Manufacturing Equipment



Core Reactions

▶ Ultra-low Temperature Reaction

Preparation of boric acid via n-butyllithium
 Preparation of carboxylic acid via n-butyllithium
 Reaction of aldehydes and ketones with n-butyllithium
 (post-completion of n-butyllithium reaction)
Reaction Temperature: -100 to -40 °C

▶ Bromination Reaction

Aromatic Bromination
 Aliphatic Bromination
 Bromohydrin Formation

▶ Hydrogenation Reaction

Nitro group hydrogenation
 Double bond hydrogenation
 Benzene ring hydrogenation
(And Other Functional Groups)
 Catalysts: Palladium-carbon (Pd/C),
 Ruthenium-carbon (Ru/C), Nickel (Ni)
Pressure: 5-100 atm

▶ Oxidation-Reduction Reaction

Hydrogen peroxide oxidation
 Sodium hypochlorite oxidation
 Sodium borohydride reduction
 Potassium borohydride reduction

Screening Libraries

Empower Early Drug Discovery – BLD's Screening Libraries

Customized Libraries, Tailored HTS Support – Powering Your Research Breakthroughs

150,000

in-stock molecules
 (ready for immediate use)

500,000

compound searchable database
 (2-4 weeks lead time)

Three Strategic Compound Library Lines

Functional Group-Centric Libraries: Diverse Building Blocks

Boronic Acid & Ester Library
(7,512 in stock)

Cornerstone for Suzuki-Miyaura cross-coupling-enables rapid core structure diversification and SAR studies.

Fluorinated Building Block Library
(19,880 in stock)

Trifluoromethyl, difluoromethyl, and fluorinated heterocyclic scaffolds-modulates potency, metabolic stability, and membrane permeability.

Covalent Inhibitor Warhead Library
(6,158 in stock)

Electrophilic groups (acrylamides, vinyl sulfonamides)+cysteine-containing fragments – for rational covalent inhibitor design.

Scaffold-Centric Libraries: Novel Core Structures

Saturated Heterocycle Library
(15,825 in stock)

Azetidines, pyrrolidines, piperidines, and fused analogs-improves solubility, reduces planarity, explores 3D pharmacophores.

Spiro & Bridged Cycle Library
(3,095 in stock)

Rigid, complex 3D frameworks – ideal for challenging protein targets and high selectivity.

Application-Targeted Libraries: Specific Therapeutic Solutions

DNA-Encoded Library (DEL) Building Blocks
(250,000 in stock)

High-purity monomers (amines, carboxylic acids, etc.)-qualified for DEL synthesis, ensuring library quality.

Fragment Screening Library
(4,487 in stock)

Compliant with "Rule of Three" (MW <300, cLogP <3)-perfect for FBDD biophysical screening (SPR, NMR, DSF).

Bioactive Compounds Library
(15,552 in stock)

Accelerates target validation and hit discovery across therapeutic areas.

Leveraging our extensive in-stock product portfolio, we are capable of customizing a wide range of molecular libraries tailored to clients' specific requirements, based on three core dimensions: structure, framework, and application.

Quality Control & Assurance



Comprehensive Testing Protocols

Batch-by-batch checks (purity, stability, safety etc.) to ensure quality compliance with industry standards

Expert Team

20+ dedicated technicians to enforce rigorous quality control

Advanced Instruments

40+ cutting-edge tools for precise chemical property analysis

ISO Certifications

We are certified with ISO standards related to chemical manufacturing, in compliance with quality management systems, environmental guidelines, and safety regulations.



ISO 9001

ISO 45001

ISO 14001

Quality Control

Type of Testing	Test Items	Content
Qualitative Analysis	NMR Test	HNMR, CNMR, PNMR, FNMR, BNMR
		COSY/HSQC/HMBC/NOESY/DEPT
Quantitative Analysis	NMR Test	QNMR
	Chromatographic Test	UPLC, RP-HPLC(DAD CAD, ELSD)
		GC(FID, Headspace)
		HPLC/GC(Chiral Purity)
	ICPMS	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Ti, U, V, Zn, Pb
	Elemental	C, H, O, N, F, Cl, Br, I
Thermal Test	DSC, TGA	
Auxiliary Qualitative and Quantitative Methods	Mass Spectrometry	LC and MS
		GC and MS
Auxiliary Qualitative Method	Spectral Test	IR
	Physical and Chemical Inspection	Appearance, Melting Point, Optical Rotation
Auxiliary Quantitative Method	Physical and Chemical Inspection	LOD, ROI, Solubility Heavy Metal, Titration, KF and CKF

Quality Assurance

▶ Full Documentation

Detailed records for traceable, compliant product quality.

▶ SOP & Training

Standardized operating procedures and full-team training assure the efficiency and safety.

▶ Supplier Evaluation

Strict supplier assessments to secure consistent supply chain quality.

▶ Regulatory Compliance Team

Expert team tracks industry regulations to align all processes with latest standards.

Global Presence & Network

150K+ in-stock items are available from our 4 different warehouses.

BLD Pharmatech GmbH

BLD Pharmatech (India) Pvt Ltd

BLD Pharmatech Ltd

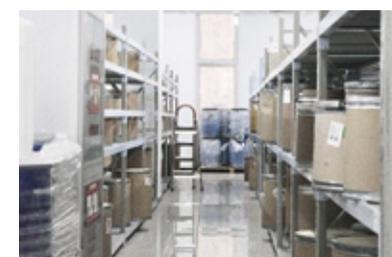
BLD Pharmatech Co., Ltd

4 Regional Centers: Asia, Europe and America
24 Hours Responsive Customer Service
10,000+ Cooperated Customers
120+ Countries and Regions Worldwide



Global Delivery Strength

- ★ Globally synchronized inventory data in 4 centers
- ★ Deliveries from **the nearest** warehouse
- ★ **Door-to-door** deliveries by DHL, FedEx, UPS and shipping forwarder
- ★ **Flexible** transportation options
- ★ **Real-time** traceable locations all the way



Our Environment, Health, and Safety (EHS)



BLD is dedicated to protecting the environment by conserving energy and reducing emissions, ensuring responsible operations. This commitment is at the core of our EHS management system. Through innovative chemical and engineering technologies, we promote greener, safer, and more efficient process development and production for sustainable development.

Environment

- ▶ We maintain a comprehensive environmental management system and internal controls. In 2020, we achieved ISO 14001 certification.
- ▶ We have advanced air and water treatment facilities, coupled with regular online and manual monitoring, to ensure regulatory compliance.

Health

- ▶ We provide comprehensive pre-employment and on-the-job health training and education for all employees.
- ▶ Regular testing for occupational hazards ensures that our work environment meets national occupational health standards.

Safety

- ▶ We operate advanced process safety laboratories by designing and installing safety protection equipment and facilities to reduce and control risks.
- ▶ We standardize the full-process management of chemicals and materials—covering procurement, storage, utilization, transportation as well as the classification, collection and disposal of associated waste.

Featured Product Lines

Boronic Acids and Esters

7,512
in Stock

Inhibitors and Agonists

12,209
in Stock

Fluorinated Building Blocks

19,880
in Stock

Peptide Chemistry

6,367
in Stock

Aliphatic Heterocyclic Building Blocks

15,825
in Stock

Fluorescent Reagents

604
in Stock

Bioisostere Compounds

536
in Stock

Synthetic Agents

1,485
in Stock

Spiro Building Blocks

1,419
in Stock

Proteolysis Targeting Chimeras (PROTACs)

3,633
in Stock

Bridged-ring Compounds

1,676
in Stock

XDC Fragments

4,422
in Stock

Indazole Compounds

1,078
in Stock

Click Chemistry Tools

430
in Stock

Transition Metal Catalysts

1,064
in Stock

Nucleosides and Phosphoramidites

754
in Stock

Photoredox Catalysts

306
in Stock

Carbohydrates

426
in Stock

Chiral Phosphine Ligands

668
in Stock

MOF Ligands & COF Monomers

1,550
in Stock

Chiral Oxazoline Ligands

1,230
in Stock

Optoelectronic Materials

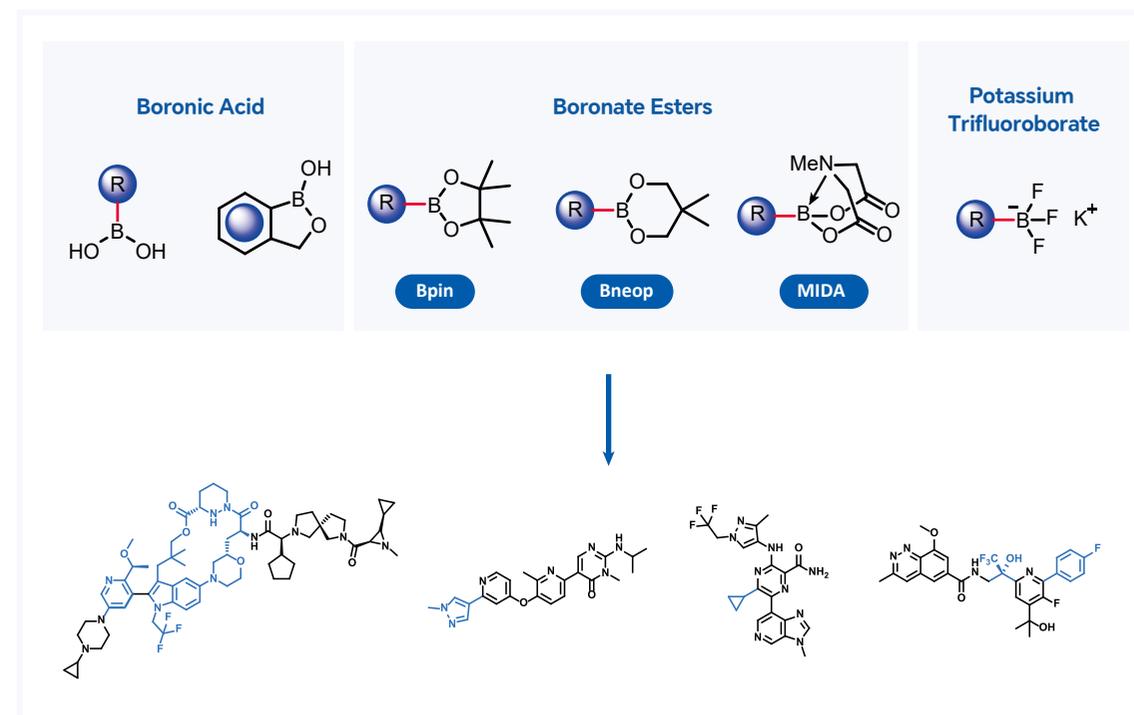
3,907
in Stock

Research Chemicals

Boronic Acids and Esters

Excellent Functional Group Tolerance

Good Stability



42,062
Compounds in Catalog

◆ Support Custom Synthesis



7,512
Compounds in Stock

◆ GMP-certified Contract Factories



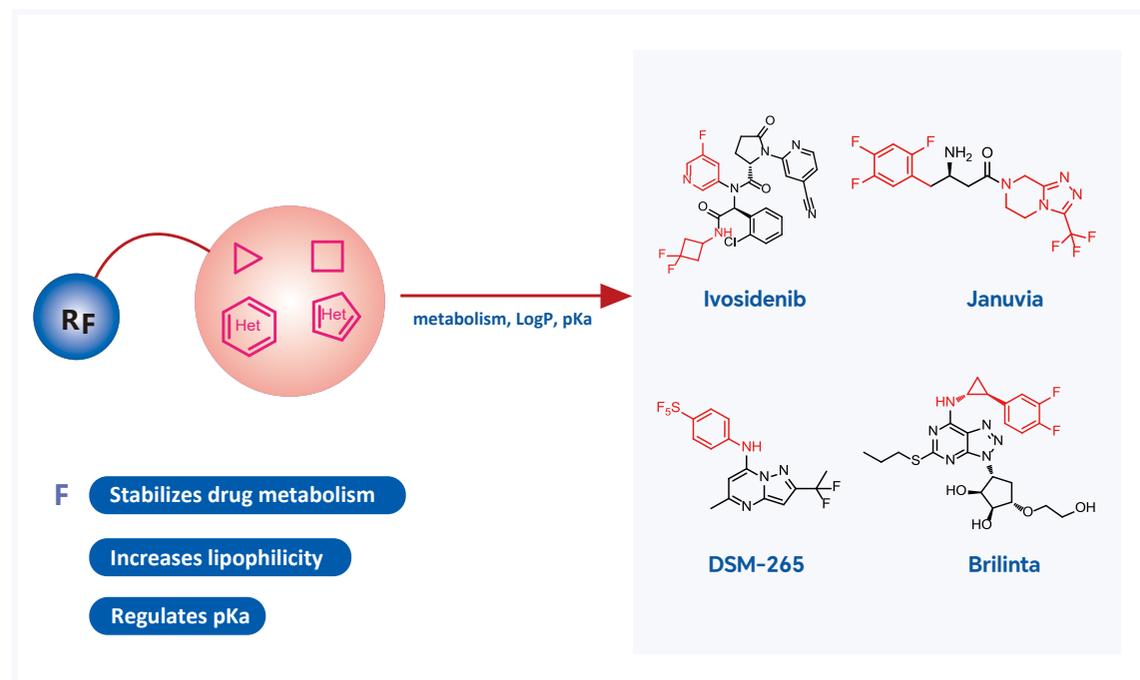
100+
Compounds Update Monthly

◆ Competitive Price with Quality Products

Fluorinated Building Blocks

High Physiological Activity

Low Toxicity



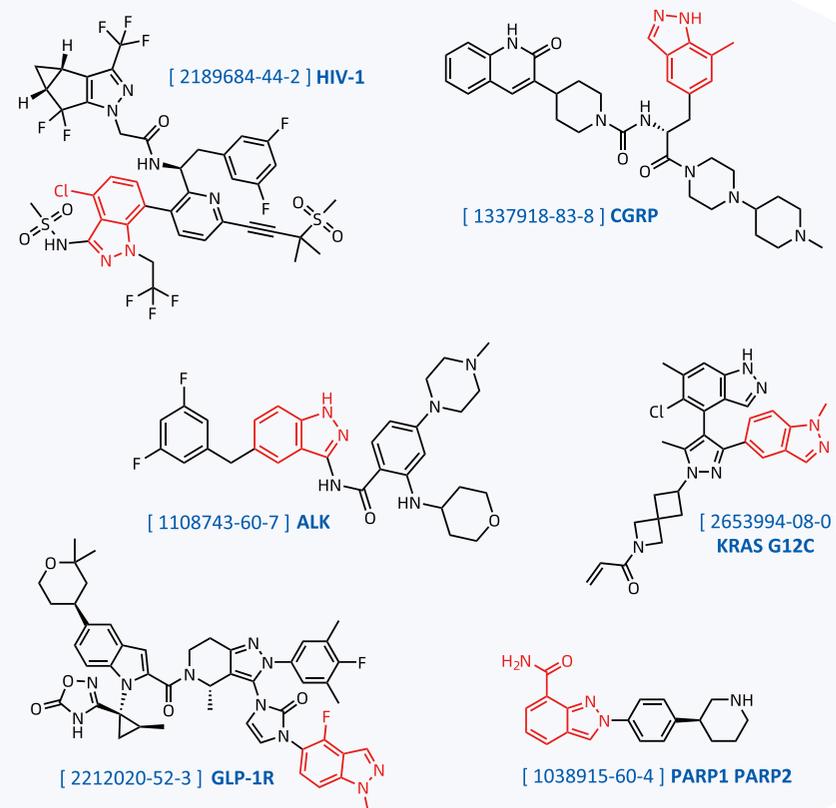
200,000+
Compounds in Catalog

19,880
Compounds in Stock

200+
Compounds Update Monthly

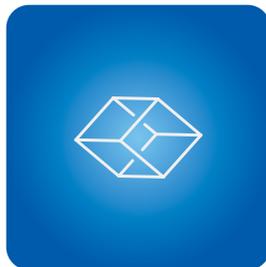
- ◆ From **mg** to **kg** Quantity
- ◆ Support Custom Synthesis

Indazoles



The indazole scaffold is a prevalent structural motif in drug molecules. Serving as a bio-isostere of indole, phenol, and benzimidazole, indazole derivatives have garnered substantial research interest owing to their diverse biological activities, including antitumor, anti-inflammatory, and antibacterial properties. The incorporation of indazole-based structures confers the following advantages on drug molecules:

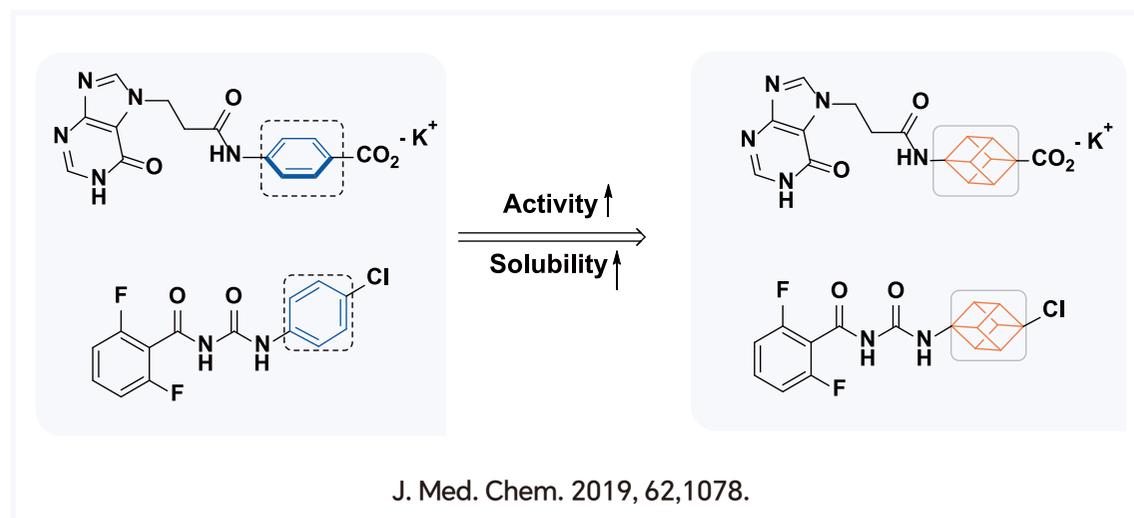
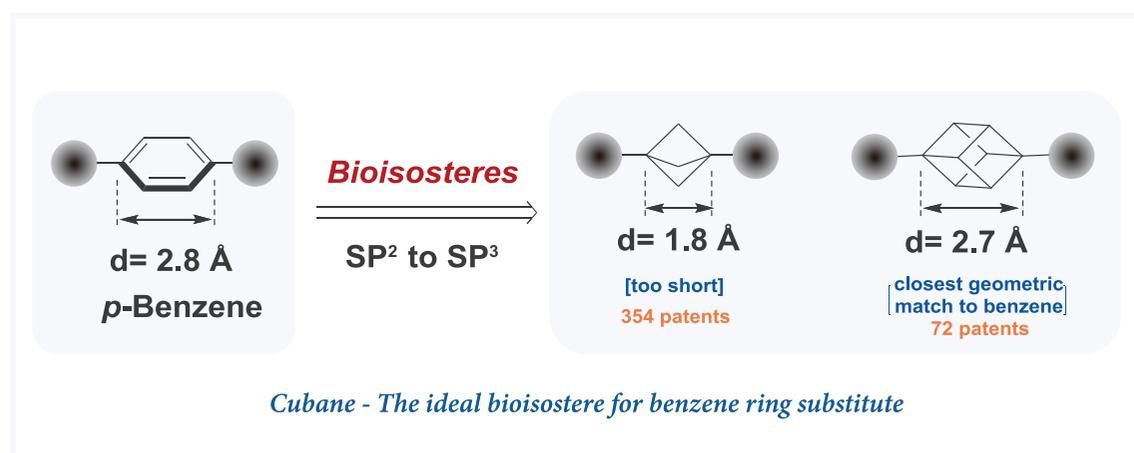
- ◆ **Modulation of Drug Activity**
- ◆ **Enhancement of Target Selectivity**
- ◆ **Optimization of Pharmacokinetic Profiles**
- ◆ **Mitigation of Drug Resistance**



Bioisostere Compounds

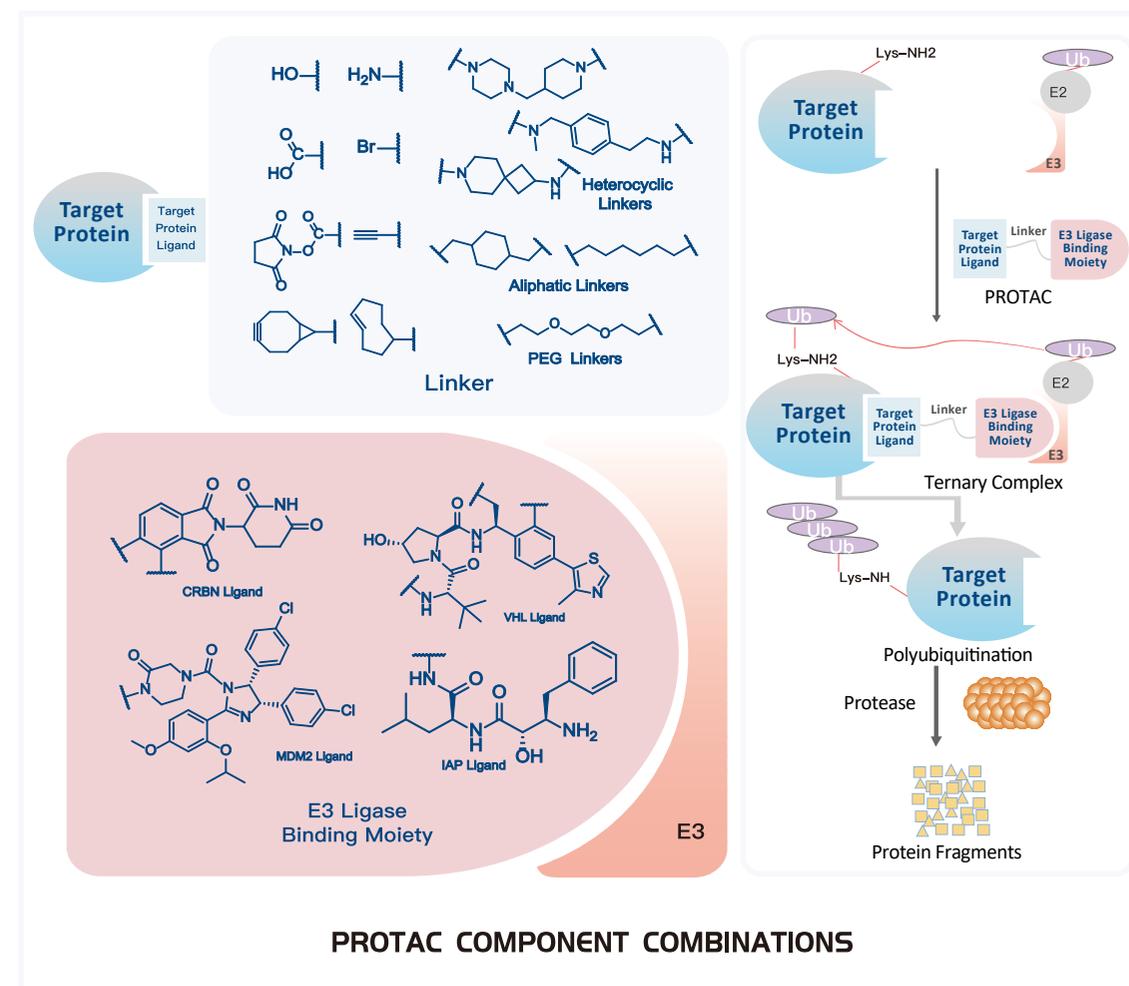
Cubane is a synthetically produced special skeleton that has attracted attention in the field of medicinal chemistry in recent years as a substitute for the benzene ring in bioisosteres.

Compared to benzene, cubane has higher biological stability, is an excellent hydrophobic labeling fragment, and has no inherent toxicity.



Life Science

Proteolysis Targeting Chimeras (PROTACs)



Peptide Chemistry

6,367 in Stock

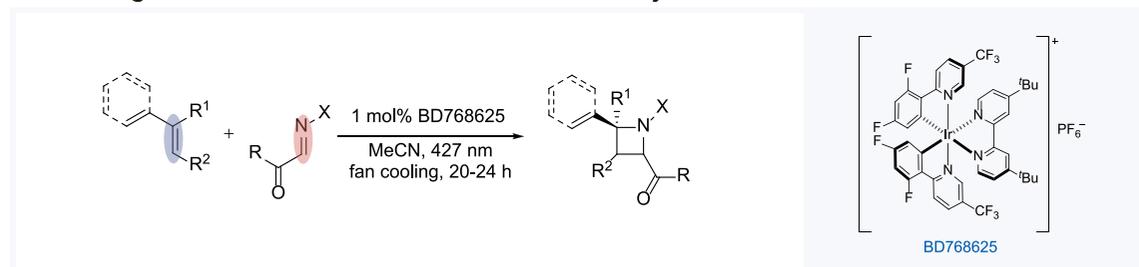
What We Have

- ★ N-Protected Amino Acids
- ★ Unnatural Amino Acids
- ★ C-Protected Amino Acids
- ★ Amino Acid Amides
- ★ Biologically-modified Amino Acids
- ★ Peptides
- ★ Resins for Solid Phase Synthesis
- ★ Amino Acid Protecting Reagents
- ★ Condensation Reagents
- ★ Deprotection Reagents

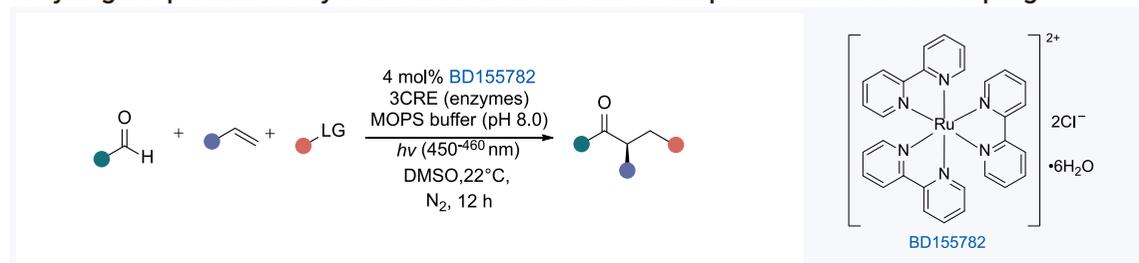
Photocatalysts

Reaction Examples Mediated By Visible Light Photoredox Catalysts

1. Visible light-mediated aza Paternò-Büchi reaction of acyclic oximes and alkenes to azetidines.^[1]



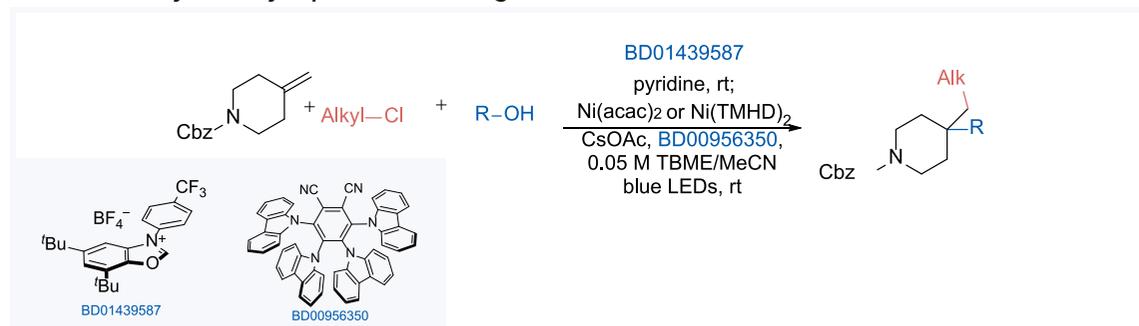
2. Synergistic photobiocatalysis for enantioselective three-component radical cross-coupling.^[2]



3. Photocatalytic furan-to-pyrrole conversion.^[3]



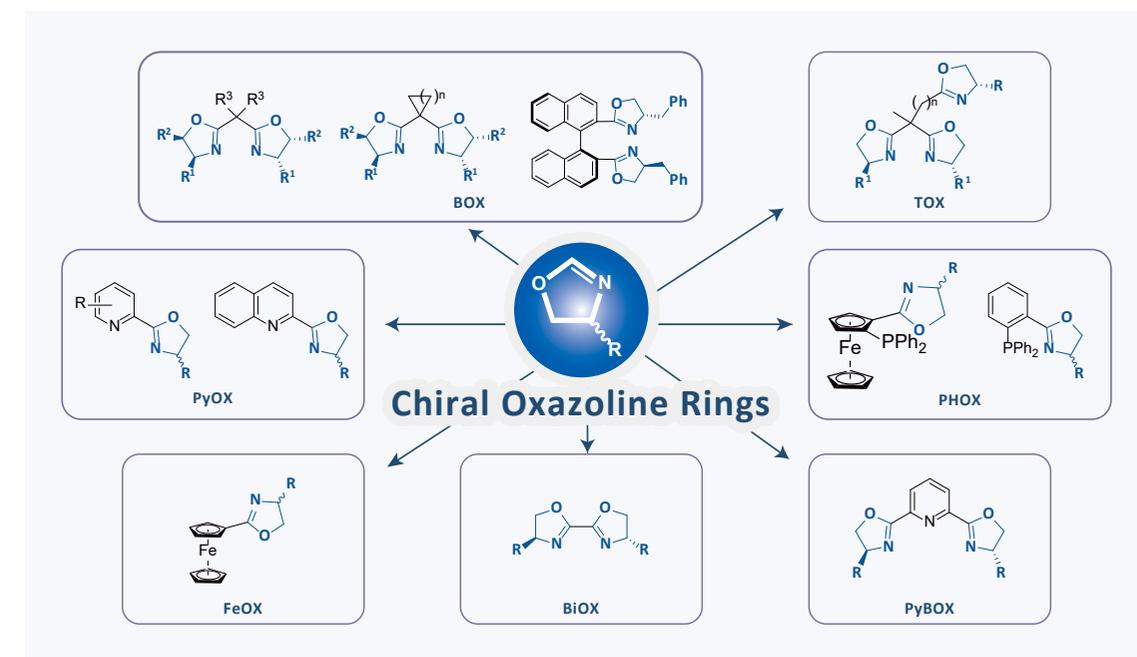
4. Alkene dialkylation by triple radical sorting.^[4]



References

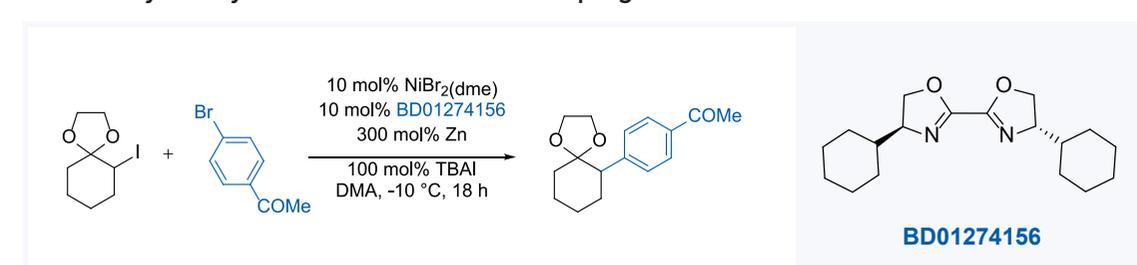
- [1] Science, 2024, 384, 1468.
 [2] Nature, 2025, 637, 1118.
 [3] Science, 2024, 386, 99.
 [4] Nature, 2024, 628, 104.

Chiral Oxazoline - Containing Ligands

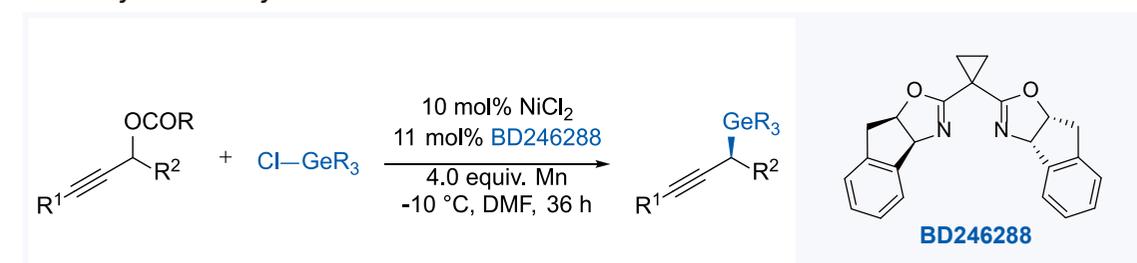


Technical Notes

1. Ni-Catalyzed Asymmetric Reductive Cross-Coupling.^[1]



2. Enantioconvergent and regioselective reductive coupling of propargylic esters with chlorogermans by nickel catalysis.^[2]



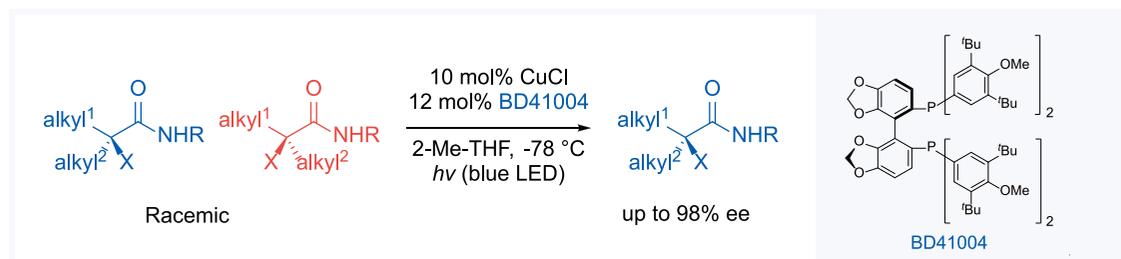
References

- [1] J. Am. Chem. Soc. 2025, 147, 17251.
 [2] Nat Catal, 2024, 7, 12.

Chiral Phosphine Ligands

Technical Notes

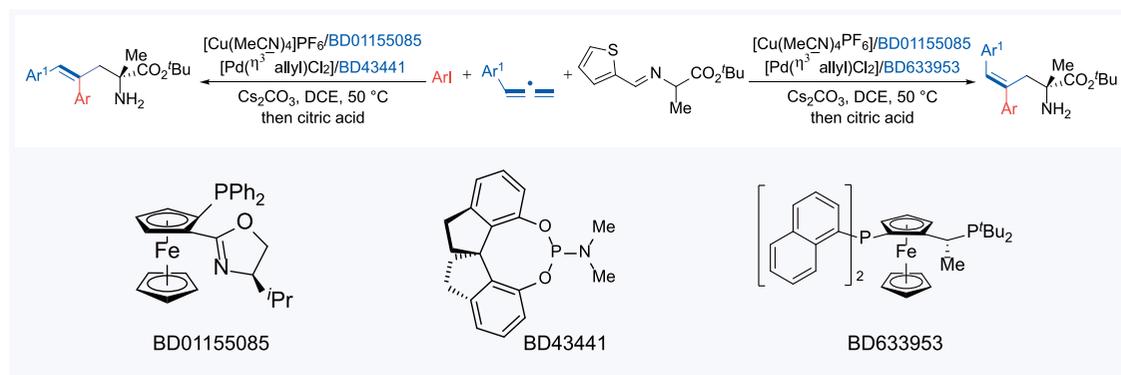
1. Photoinduced Copper-catalysed deracemization of alkyl halides.^[1]



2. Catalytic asymmetric synthesis of meta benzene isosteres.^[2]



3. Ligand-controlled stereodivergent synthesis of non-natural α -quaternary amino acids bearing Z- and E-alkene moieties.^[3]



References

[1] Nature, 2025, 640, 107.

[2] Nature, 2024, 633, 90.

[3] Science, 2024, 385, 972.

More Catalysts and Ligands

▶ **Pd Catalysts: 257** in stock

▶ **NHCs: 204** in stock

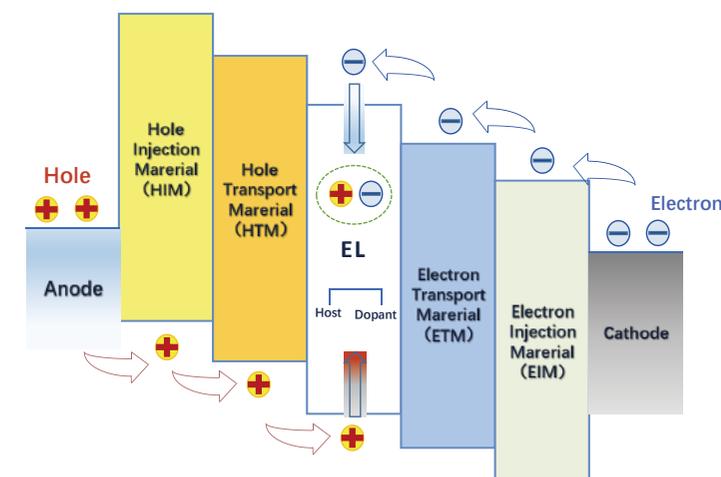
▶ **Achiral phosphine ligands: 410** in stock

Material Science

OLED Materials

▶ State-of-the-art analysis instruments to precisely analyze product specifications (UV, PL, LUMO, HOMO)

▶ Wide array of product options continuously in expansion

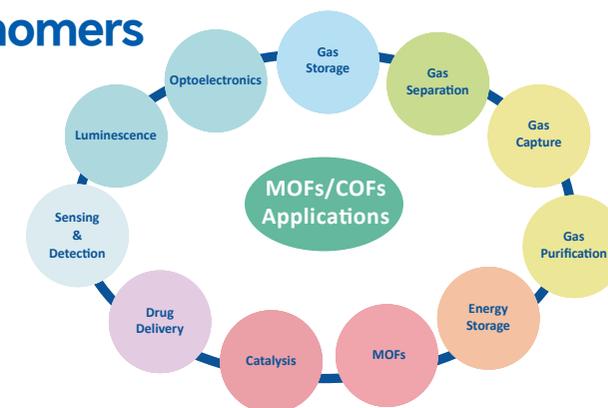


What We Have

- ★ HTM
- ★ Host Materials
- ★ R/G/B Dopants
- ★ TADF Materials
- ★ OLED Intermediates
- ★ Other OLED Materials

MOF Ligands & COF Monomers

The choice of organic ligands is important in the synthesis of MOFs/COFs as they are related to the structural, porosity, and functional characteristics of these materials.



What We Have

- ★ Carboxylic Acid MOF Ligands
- ★ Nitrogenated Organic MOF Ligands
- ★ Carboxylic Acid with Nitrogenated MOF Ligands
- ★ Porphyrins and Derivatives MOF Ligands
- ★ Two-Dimensional MOF Ligands
- ★ Other MOF Ligands
- ★ Aldehyde COF Monomers
- ★ Amine COF Monomers
- ★ Nitrile COF Monomers
- ★ Boric Acid/Ester COF Monomers
- ★ Alkene & Alkyne COF Monomers
- ★ Other COF Monomers