



A Premier Chemistry CRO

*Synthesizing Patient's Life,
Synthesizing Own Life.*

Part I

GENERAL INFORMATION

Where We Are

Chemistry labs in Wuxi City, China;

Wuxi City Labs



Wuxi City Lobby

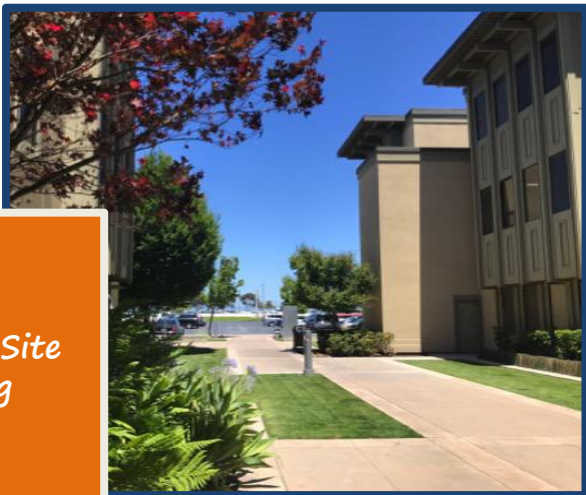


Wuxi City Building

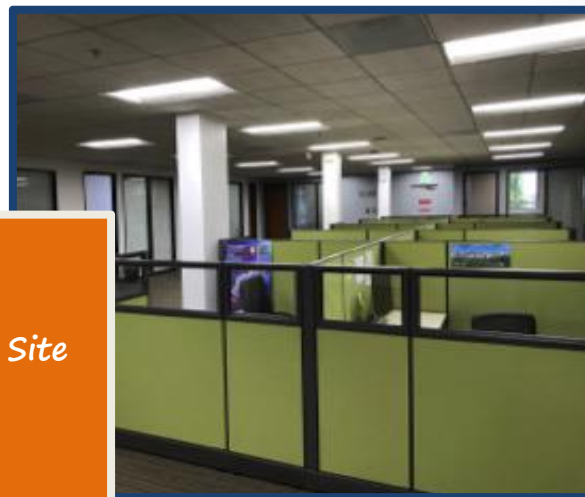
Where We Are

Sales Office and Inventory in San Francisco Bay Area, CA

California Site
Building



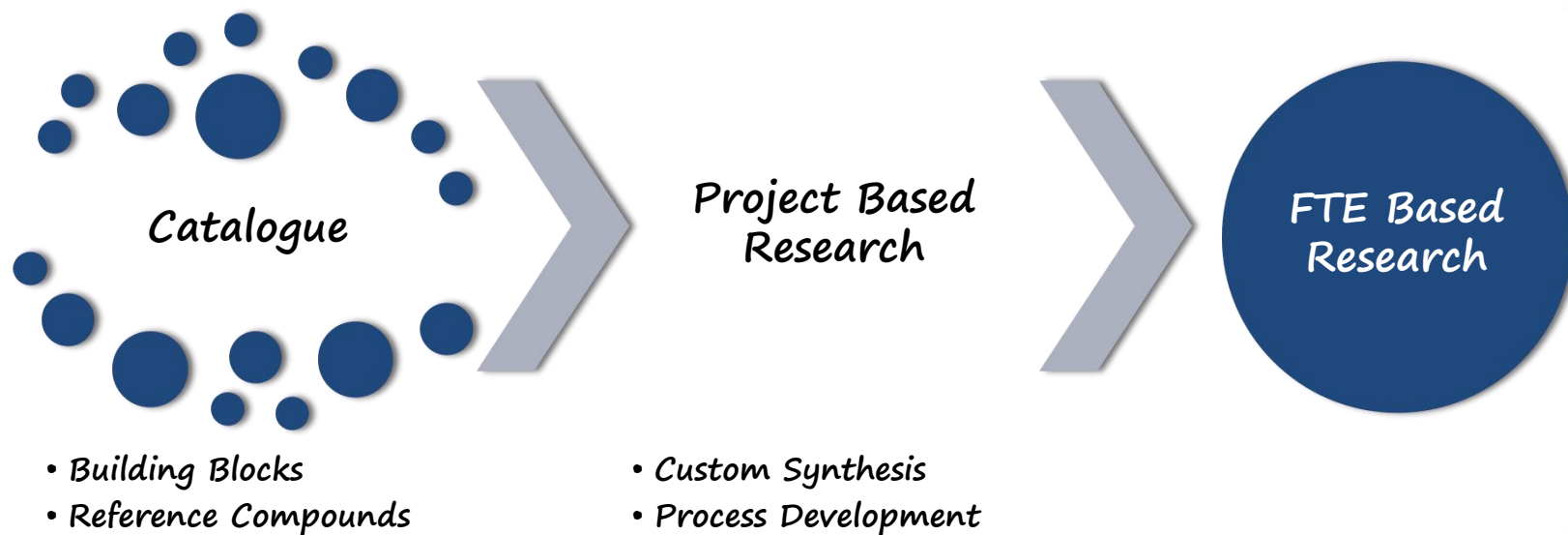
California Site
Office



California Site
Conference Room



ChemShuttle By Business Model



Reference Compounds

- Angiogenesis
- Antibody-drug conjugates/ADCs Related
- Anti-infection
- Apoptosis
- Autophagy
- Biochemical assay reagents
- Cell Cycle
- Cytoskeletal Signaling
- DNA Damage
- Dye reagent
- Endocrinology & Hormones
- Epigenetics
- GPCR & G Protein
- Immunology/Inflammation
- JAK/STAT
- MAPK
- Membrane Transporter/Ion Channel
- Metabolism

Building Blocks

- Amino acids
- Alicyclics
- Alkyls
- Aryls
- Boronic Acids (Esters)
- Fluorinated
- **Heterocyclics**
- Others



Assessing the risk of salt disproportionation using crystal structure and surface topography analysis

MA Patel, S Luthra, SL Shamblin, KK Arora... - Crystal Growth & ..., 2018 - ACS Publications

... Page 6. 6 (SORT) were obtained from ChemShuttle (Hayward, CA), while atazanavir (ATZ) and co-solvent (COP) were obtained from AbbVie Pharmaceutical

The recent progress of isoxazole in medicinal chemistry

J Zhu, J Mo, H Lin, Y Chen, H Sun - Bioorganic & medicinal chemistry, 2018 - Elsevier

... 9, PH12017500530 (A1) 85, 7-Aug-17, Nat Cancer Center; Daiichi Sankyo Co Ltd, Isoxazole derivative as mutant isocitrate dehydrogenase 1 inhibitor. 10, CN107011280 (A) 86, 4-Aug-17, Chemshuttle Inc, Preparation method of 7-bromo-6-chlorobenzo[D]isoxazole ...

☆ Cited by 2 Related articles All 3 versions

Saturated solutions of

... 18 - Elsevier

... 2. Materials and methods. Ritonavir and lopinavir were purchased from ChemShuttle (Union City, CA). The fluorescence dye, 6-propionyl-2-dimethylaminonaphthalene

Tailoring supersaturation from amorphous solid dispersions

N Li, LS Taylor - Journal of Controlled Release, 2018 - Elsevier

... Fig. 1. Chemical structure of LPV and polymers. 2. Materials and methods. 2.1. Materials. Lopinavir was purchased from Chemshuttle (Wuxi, China). HPMCAS (HF grade) and HPMCP polymers were obtained from Shin-Etsu (Tokyo, Japan) ...

☆ Cited by 3 Related articles All 4 versions

channel gating

Phase Behavior of R and Dissolution

HS Purohit, LS Taylor - Pha

... ASD dissolution. Mater

ChemShuttle (Hayward, CA). Pyrene, Nile red, Iodine and potassium iodide and were purchased from Sigma Aldrich Co. (St. Louis, MO). Concentrated ...

☆ Cited by 3 Related articles All 3 versions

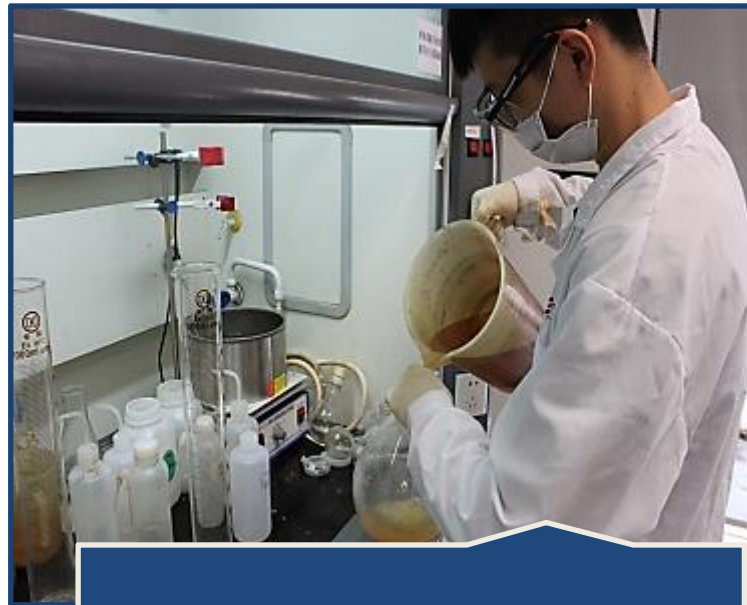
... KCl, 1 CaCl₂, 1 MgCl₂, 5 HEPES; pH was adjusted to 7.6 with NaOH. RPR-260243 (ChemShuttle Wuxi, China) was dissolved in DMSO to make a 10 mM stock solution and final drug concentrations (1 to 50 μM) were obtained by dilution of the stock solution with ...

☆ Cited by 8 Related articles All 7 versions

Project Based Research



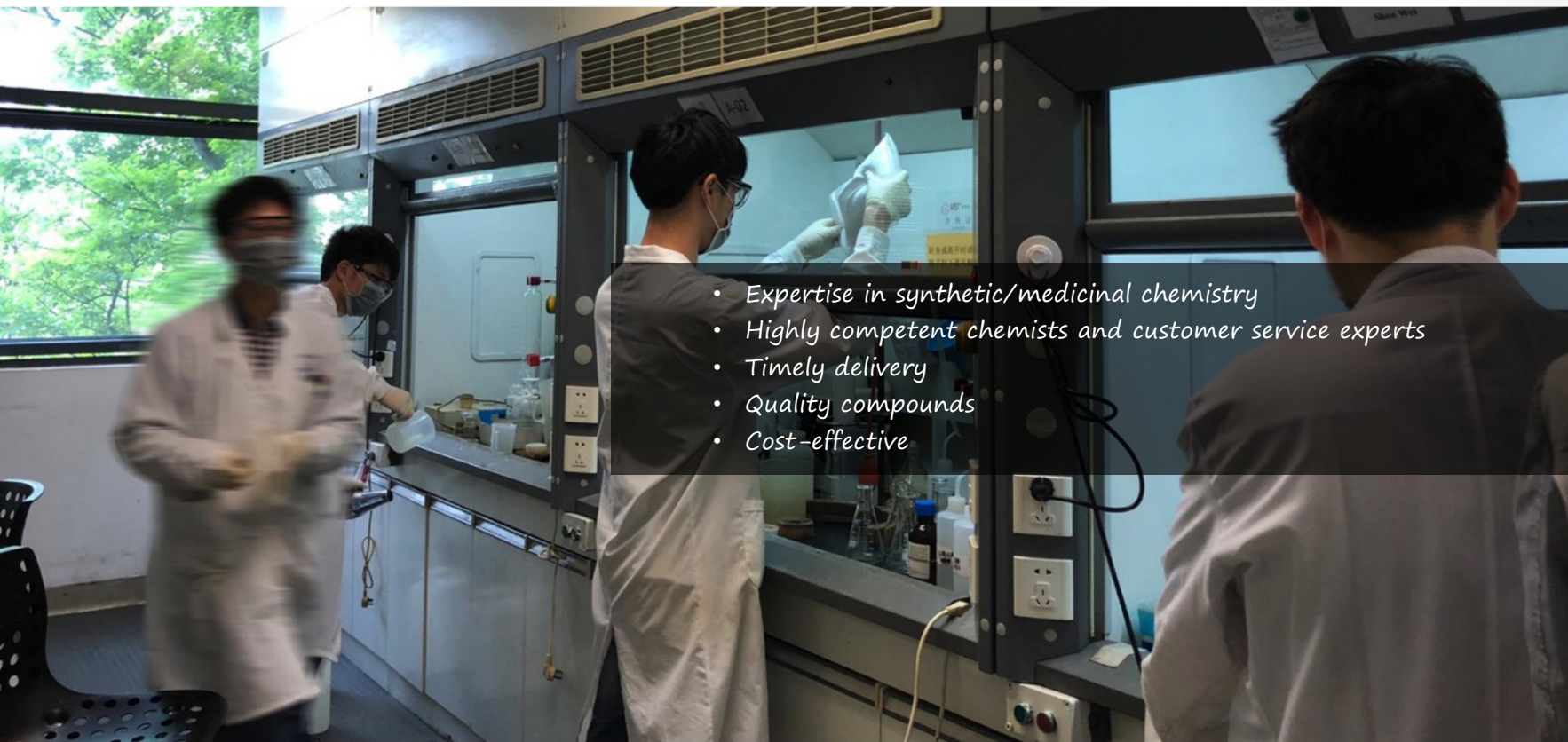
Custom Synthesis



Process Development

To us, science is personal.

FTE Based Research



- Expertise in synthetic/medicinal chemistry
- Highly competent chemists and customer service experts
- Timely delivery
- Quality compounds
- Cost-effective

**We strive to provide ultimate protection for our client's intellectual properties and have enforced stringent requirement on IP protection.*

Client always No. 1.

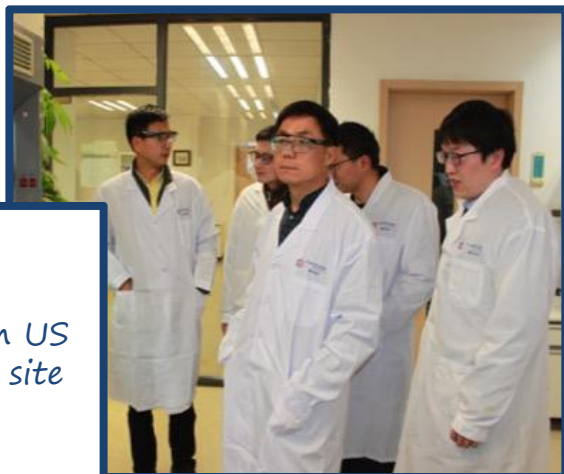
Visiting US
clients



Clients from
Europe auditing
on site



Clients from US
auditing on site



Project report
and trouble
shooting





We care about what our clients think about us.

• "Great job!"

- B. Roth



• "I would definitely like to use your services again in the future!"

- D. Burdick



• "Quality of service and final report has been excellent!"

- J. Rudolph



• "You are the man!"

- S. Patel

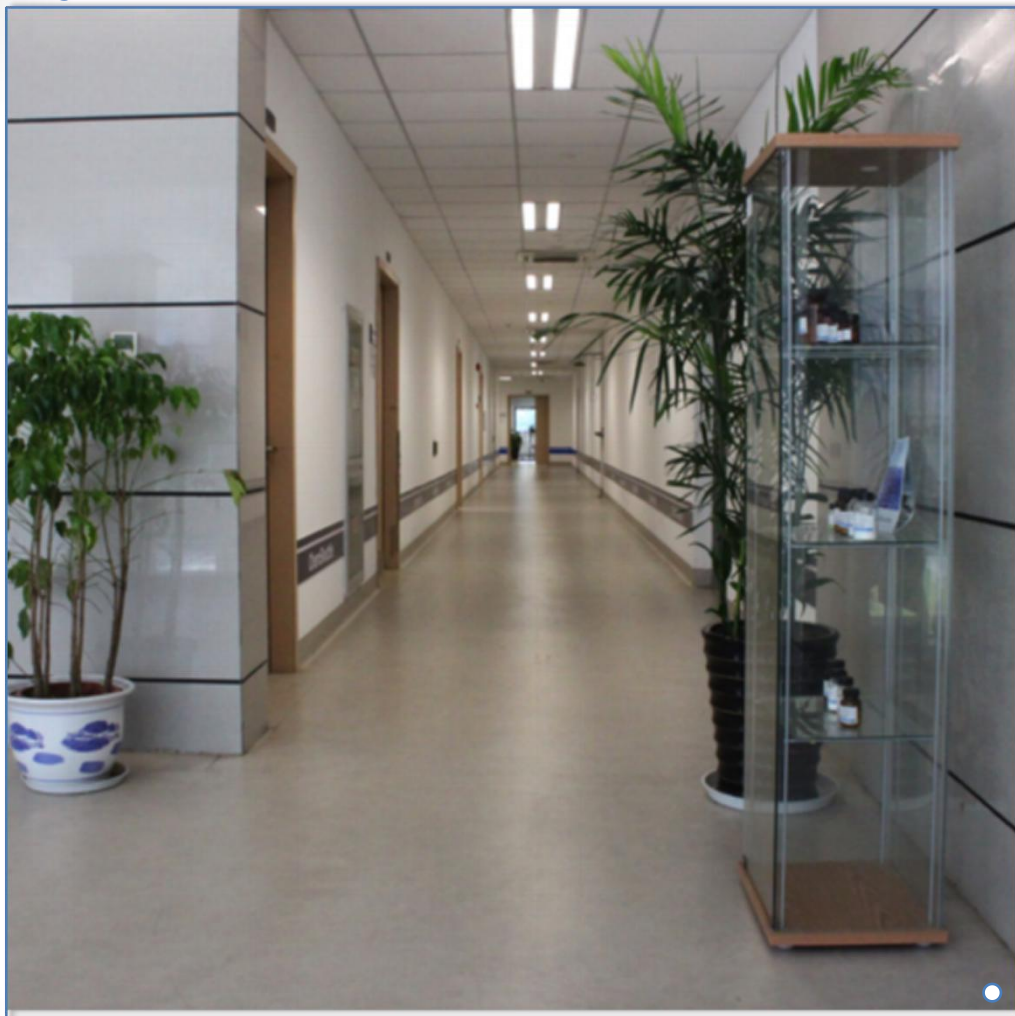


• "Nice job with the timely synthesis and high quality material."

- K. Robarge



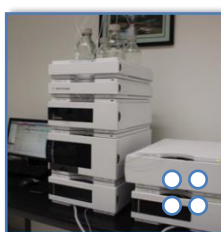
50+ Fume hoods for synthesis from mg to kg.



○ Lobby ○○

Standar Lab ○○○

Kilo Lab



○○○ QC Lab



○○○ Lab break area

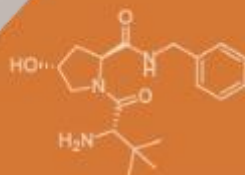
600+ Global clients



- Our clients include 9 of the 10 largest pharma/biotech companies in the world.
- 2017 sales percentage by region (approximate value).

5,000+ Projects accomplished.

- Delivery Rate: 90%+
- On time Rate: 85%+
- Purity: 95%+



Protein degrader 1

CAS: 1448297-52-6
Cat No.: 133776



Alpelisib (BYL719; BYL-719)

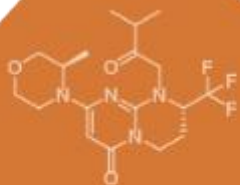
CAS: 1217486-61-7
Cat No.: 100803



CAS: 935288-20-3
Cat No.: 110853

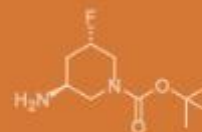


CAS: 1642298-59-6
Cat No.: 128953



SAR405 analog

CAS: 1523404-29-6
Cat No.: 129208



CAS: 1932056-72-8
Cat No.: 183811

10,000+ Square feet research facility.



Part II

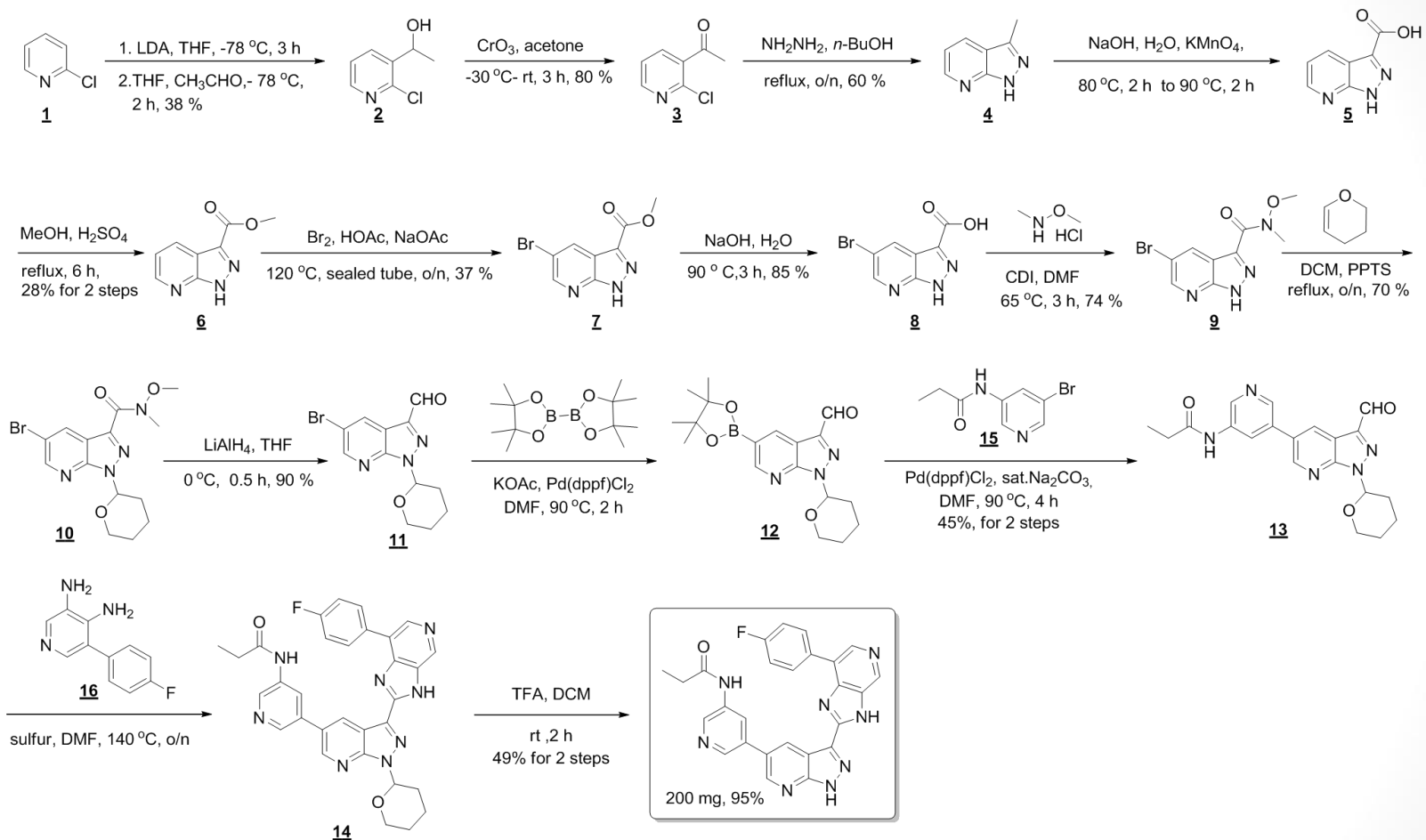
EXAMPLE PROJECTS

Synthesis Examples

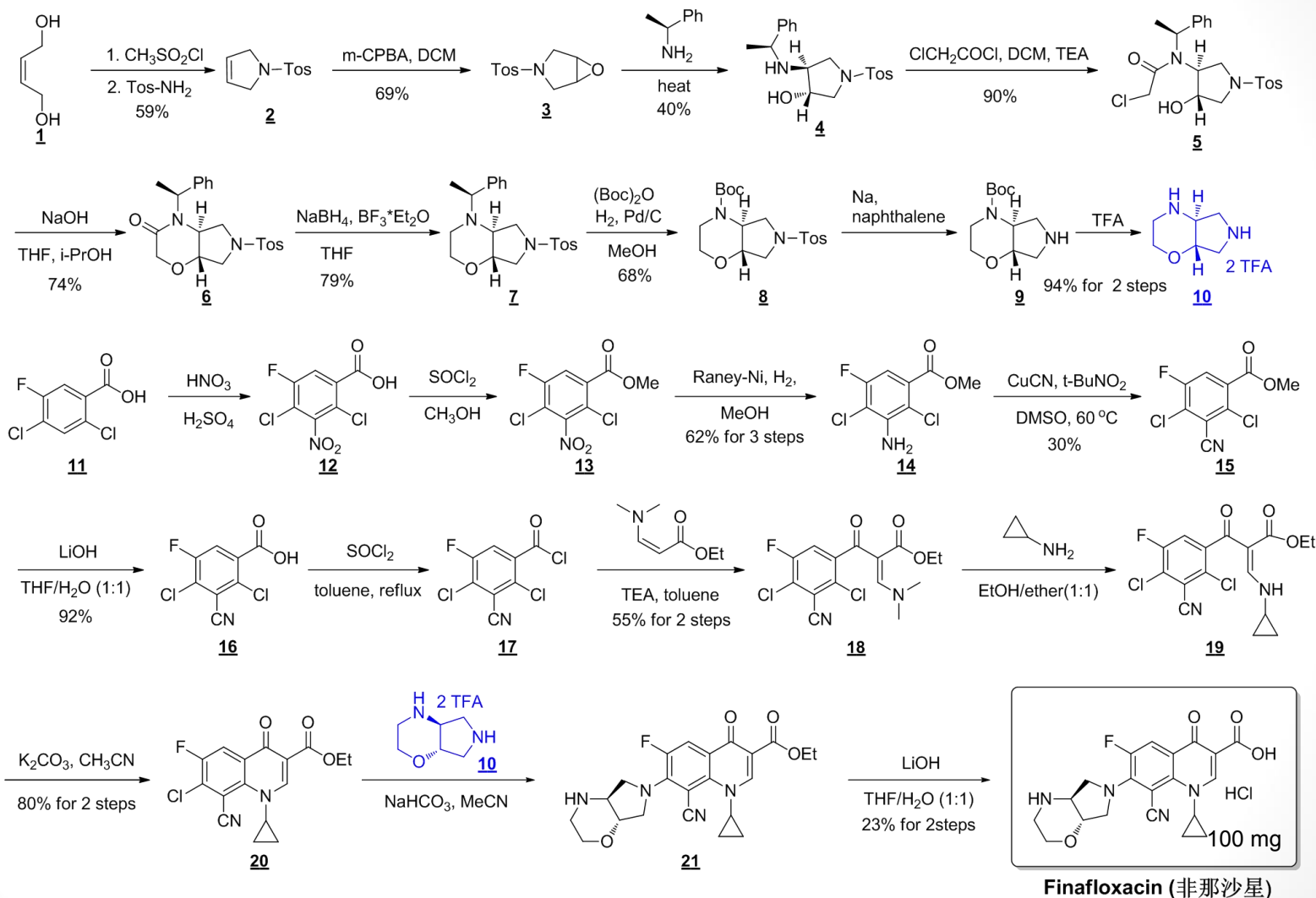
- Multi-step synthesis
- Library projects
- Kilo projects

Note: None of the examples is proprietary.

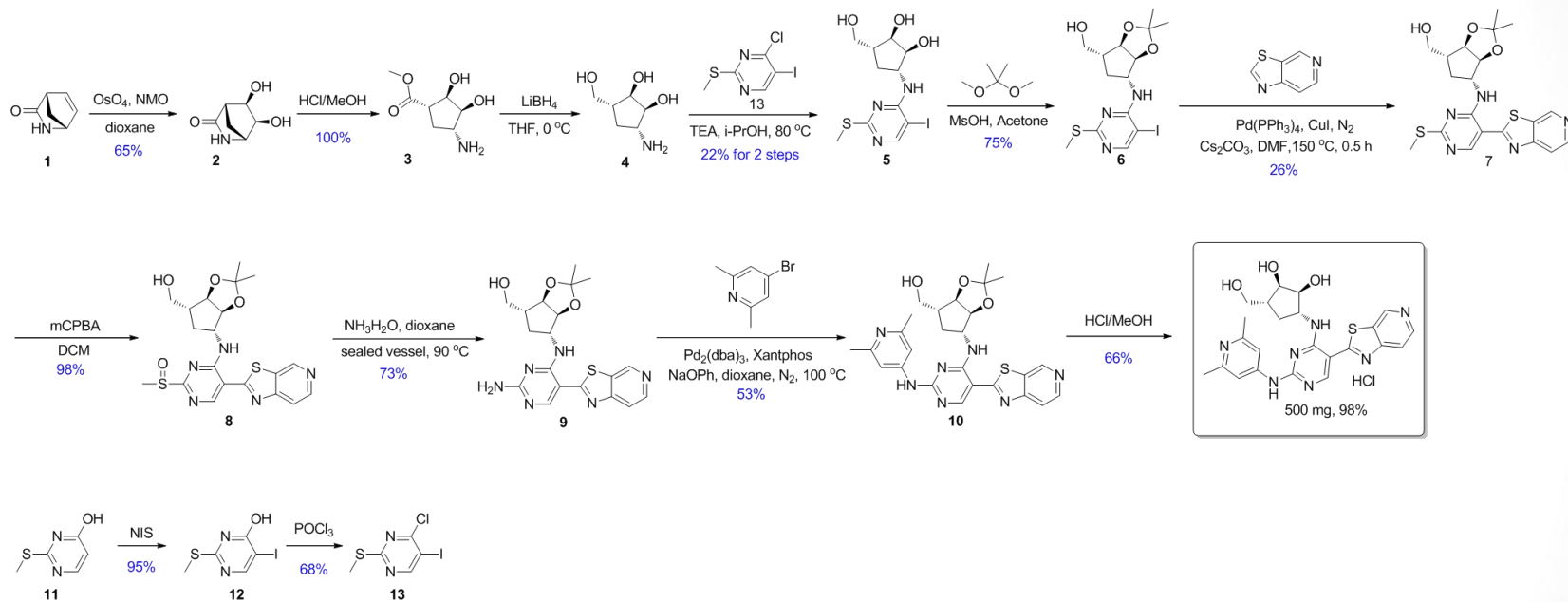
Multi-step Synthesis Example 1 (14 steps)



Multi-step Synthesis Example 2 (11+9 steps)



Multi-step Synthesis Example 3 (10+2 steps)

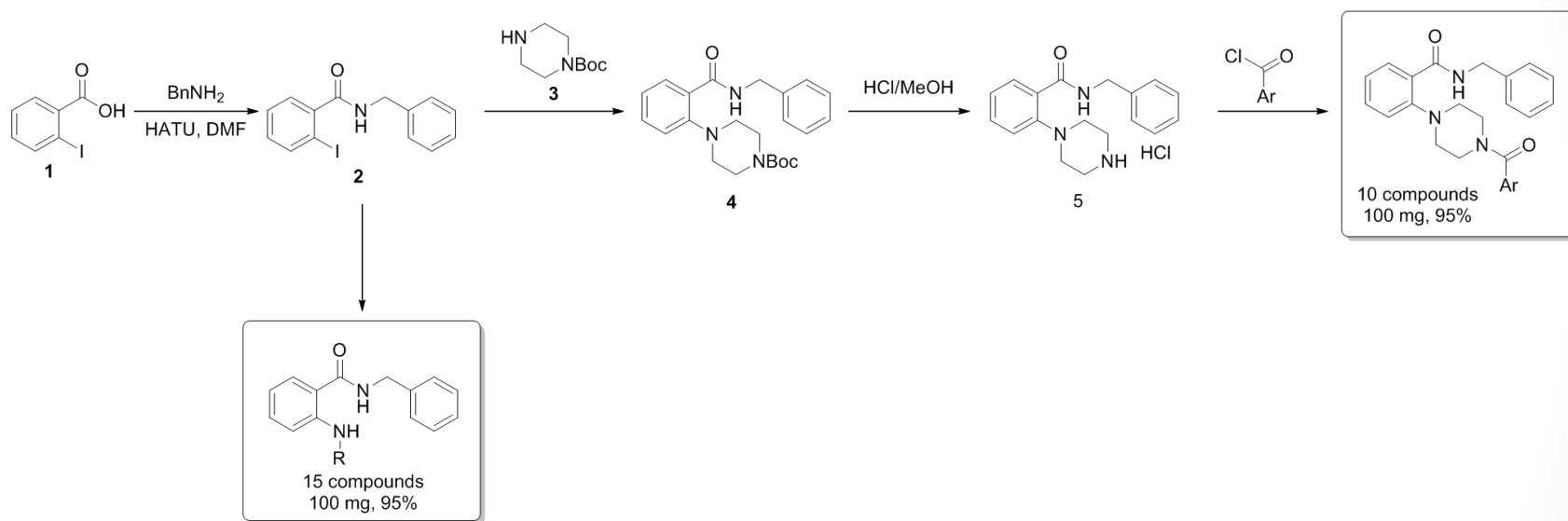


Synthesis Examples

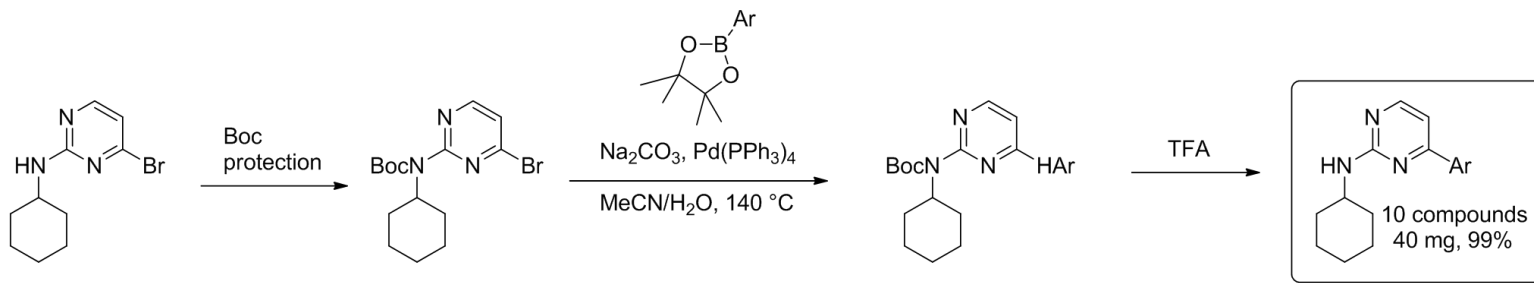
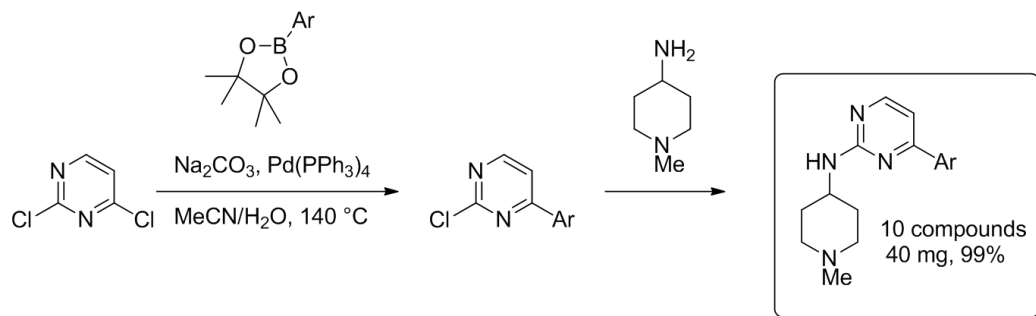
- Multi-step synthesis
- Library projects
- Kilo projects

Note: None of the examples is proprietary.

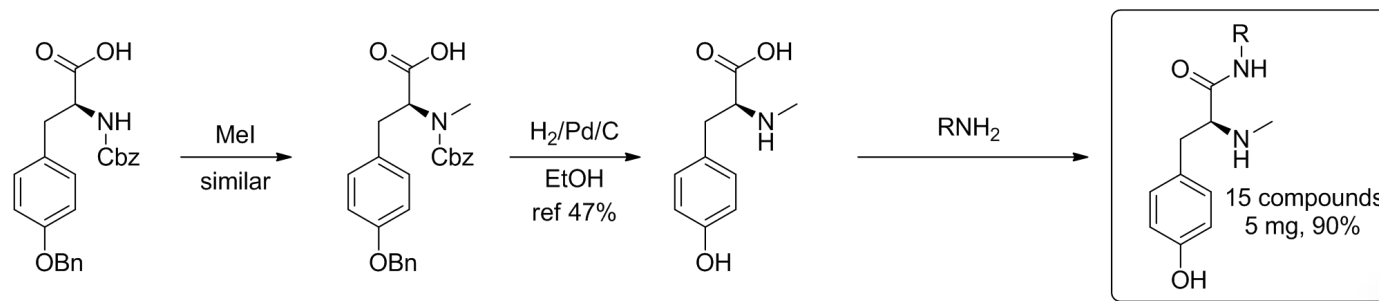
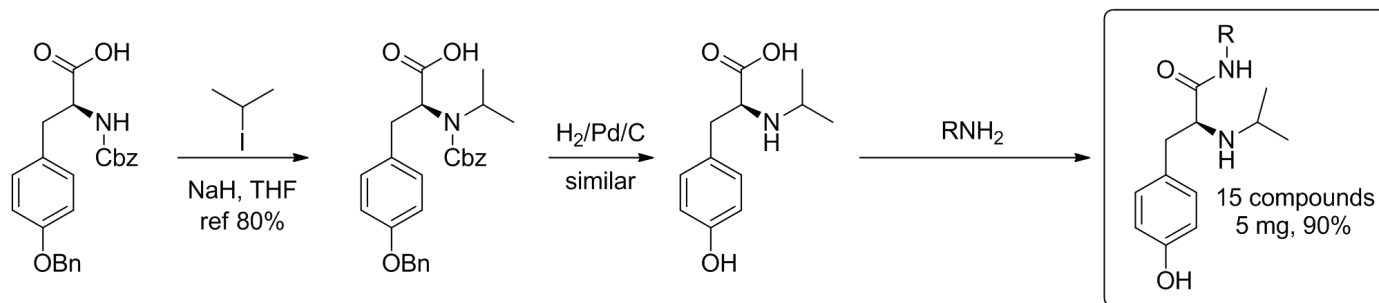
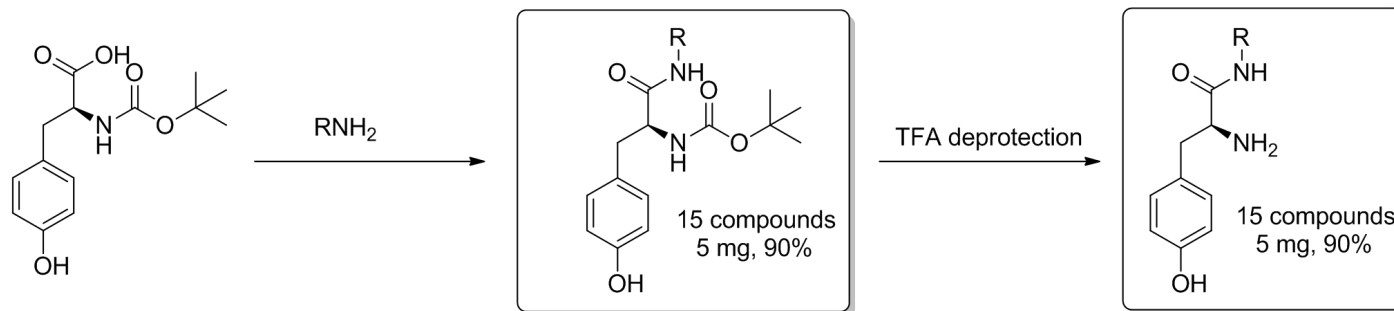
Library Projects Example 1



Library Projects Example 2



Library Projects Example 3

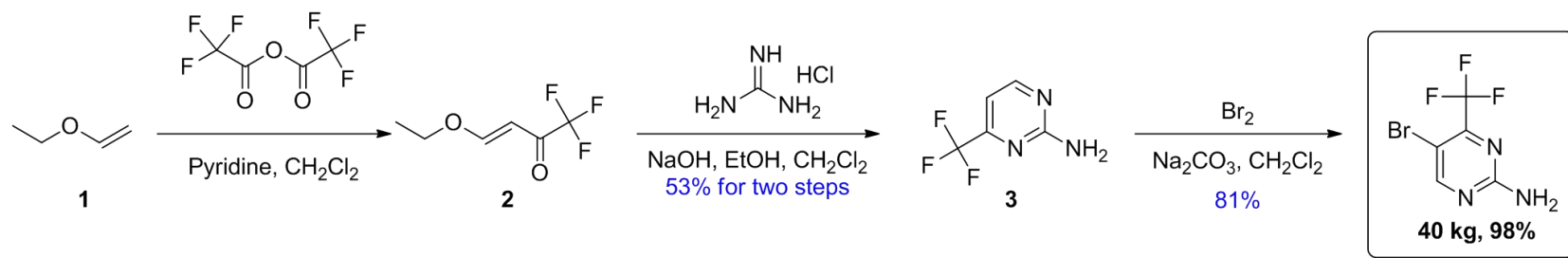


Synthesis Examples

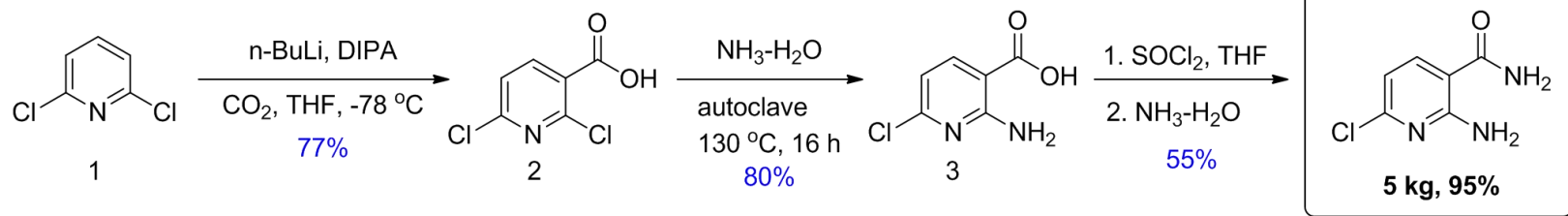
- Multi-step synthesis
- Library projects
- Kilo projects

Note: None of the examples is proprietary.

Kilo Projects Example 1 (40 kg, 98%)



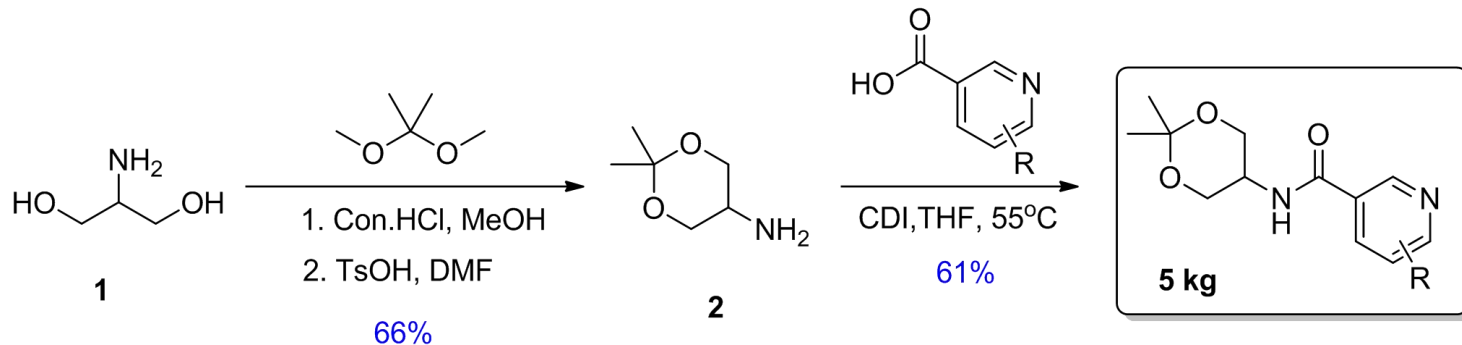
Kilo Projects Example 2 (5 kg)



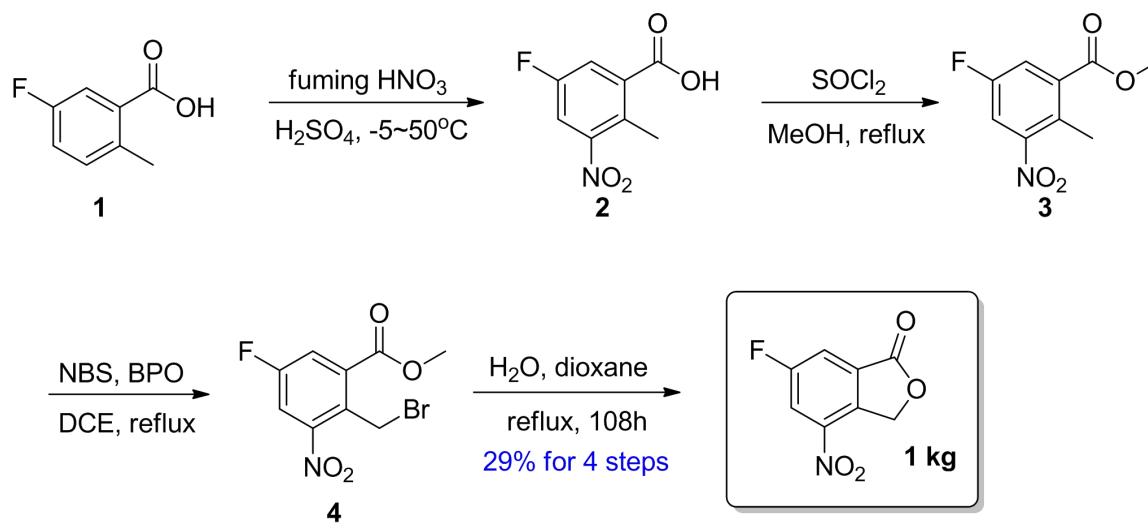
Low temperature

High pressure

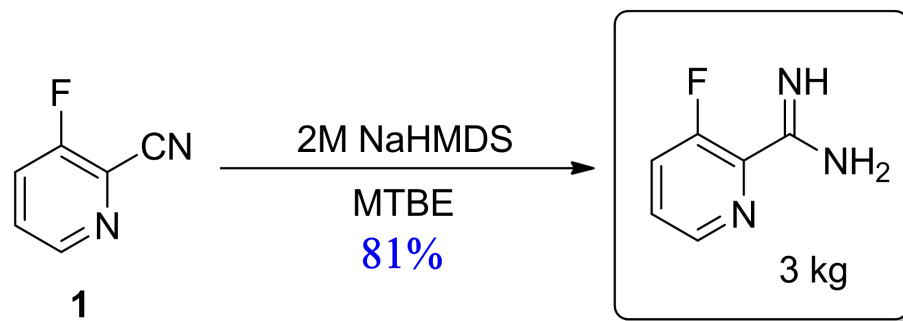
Kilo Projects Example 3 (5 kg)



Kilo Projects Example 4 (1 kg)



Kilo Projects Example 5 (3 kg)



Thanks!

