

## Laboratory Equipment List

Our laboratory is located on the 3rd and 4th floors of Building 32 in Minhang Jindiweixin High-tech Park, No. 1288, Zhongchun Road, Minhang District, Shanghai, with 6 R&D rooms, 1 pilot room and 1 analysis room.

Each R&D room has 12 fume hoods, and the pilot workshop has 50L reaction equipment, molecular distiller, thin film evaporation (with distillation system) and other equipments. Analytical equipment includes Agilent's ICP-MS, ICP-OES, LC-MS, GC-MS, Agilent and Shimadzu's gas chromatograph, liquid chromatograph, Shimadzu UV spectrophotometer, Thermo Fisher and Metrohm's ion Chromatograph, Metrohm moisture meter, cartridge furnace, Mettler potentiometric titrator, DSC, pH meter, Merck pure water meter, glove box, etc. In addition, we can also pay to use the analysis equipment of Zhongke Qiaochang. Mainly including: LCMS, GC, GCMS, HPLC, 300M NMR, 400M NMR and other equipment.

- Existing equipment of Rolechem



Agilent 8900 ICP-MS



Agilent 6100 LC-MS



Agilent 5800 ICP-OES



Agilent 5977B GC-MS



Agilent 1260 LC



Agilent 8860 GC



Shimadzu 2010pro GC



Shimadzu LC-16



Shimadzu 1900i UV



Thermo Fisher Aquion IC



Metrohm 930 IC



Metrohm 831 KF



Metrohm 860 Thermoprep



Mettler Toledo T5  
automatic potentiometric titrator



Mettler Toledo S210 pH meter



Mettler Toledo DSC3



Merck Direct-Q3



Merck Elix Essential 5



Merck Milli-Q Element



Merck Milli-Q IQ7000



50L reaction equipment  
Used for pilot synthesis



molecular distillation  
Capacity: 0.5kg/h



Thin film evaporation  
(with rectification system)  
evaporative power: 3kg/h  
Rectification capacity: 0.5kg~1kg/h

● Analysis Equipment of Zhongke Qiaochang



GC



GCMS



LCMS



HPLC



400M NMR



300M NMR