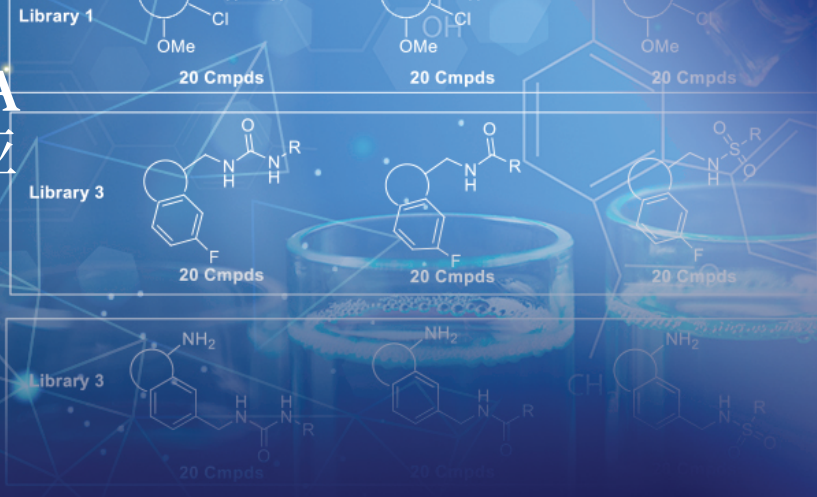




BIODURO-SUNDIA

保 诺 - 桑 迪 亚



Discovery Chemistry Experts

Trusted Partner Delivering Comprehensive Discovery Chemistry Services for Over 15 Years

The BioDuro-Sundia Advantage

- 15+ years of experience; 1000s of successful projects
- Experts in solving challenging chemistry problems
- Experienced and engaged leadership team with over 50% of scientists holding MS or PhD degrees
- Pure-play model: fully service-oriented business model without any internal drug discovery efforts ensures no conflict of interest and strong foundation for long-term partnership
- Broad therapeutic disease area expertise
- Broad experience beyond standard heterocyclic chemistry including Nucleoside and Nucleoside Chemistry, Photo- and photo-redox chemistry, PROTACs and more

Comprehensive Chemistry Services

- Synthetic
- Medicinal
- Computational
- Analytical

Strong IP Protection

- Policy Controls
- IT Measures
- Physical Control Measures

Discovery Chemistry Sites

Beijing

Zhongguancun LSP
Total size: 10,000 m²



Shanghai



Waigaoqiao Campus
Total size: 11,200 m²



Zhangjiang Campus
Total size: 18,300 m²

Wuxi

Huishan Campus
Total size: 30,000 m²



Taiwan

Zhunan Science Park
Total size: 330 m²



In pursuit of your success.



www.bioduro-sundia.com

Medicinal Chemistry: ---

Driving your projects from Hit ID to PCC selection

- In collaboration with our clients, we have worked on over 100 medicinal chemistry programs and we delivered >20 PCCs

Hit ID

- Information-based approaches
- Virtual screening
- Fragment screening

Hit to lead

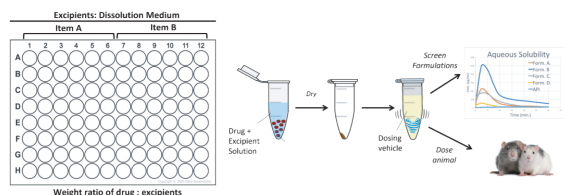
- Narrowing down viable chemical series from HTS hits to focus on tractable series with novel IP

Lead optimization

- Driving SAR by analyzing data
- Moving compounds quickly through a predefined testing cascade
- Modifying structures to address liabilities

MedChem Innovation -

Solution Engine™: Saving good compounds – finding a clinically viable formulation quickly during LO stage using only mg amounts of material to get PK data for poorly soluble compounds



Analytical Chemistry & Purification ---

Regular Analysis and Separation Services

- 37 x LC-MS (most are open-access; Agilent, Shimadzu, Waters)
- 52 x HPLC/UPLC (Agilent, Shimadzu, Waters)
- 1 x GC-MS (Shimadzu)
- 9 x NMR 300 and 400 MHz (Varian, Bruker, JEOL) – 1D, 2D; 1H, 13C, 19F, 11B, 29Si, 31P

Chiral Analysis and Separation Services

- 3 x chiral HPLC: (2 analytical, 1 semi-prep) - 0.5-2 g/day
- 7 x SFC: (Thar, Waters, Shimadzu; 3 analytical & 4 semi-prep) – 1-5 g/day
- Most standard chiral columns available in-house
 - Analytical: 23 different chiral phases
 - Semi-prep: 20 different chiral phases

Discovery Chemistry Scale-up ---

Discovery Chemistry Lead Compounds

- Synthesized in Discovery Chemistry FTE programs in small quantities (mg – g scale)

For Animal PK and other Studies (non-GMP)

- Several grams up to few hundred grams
- Can typically be done in Discovery Chemistry department using FTE or FFS model if safe to do so
- MedChem route will be followed in general with some optimization

For Potential candidates going into the Development Track (GMP)

- Recommended to be carried out in Process Chemistry department for full optimization (or overhaul) of the synthetic route
- With the consideration of future large scale production needs
- Will follow internal SOP for the tech-transfer process