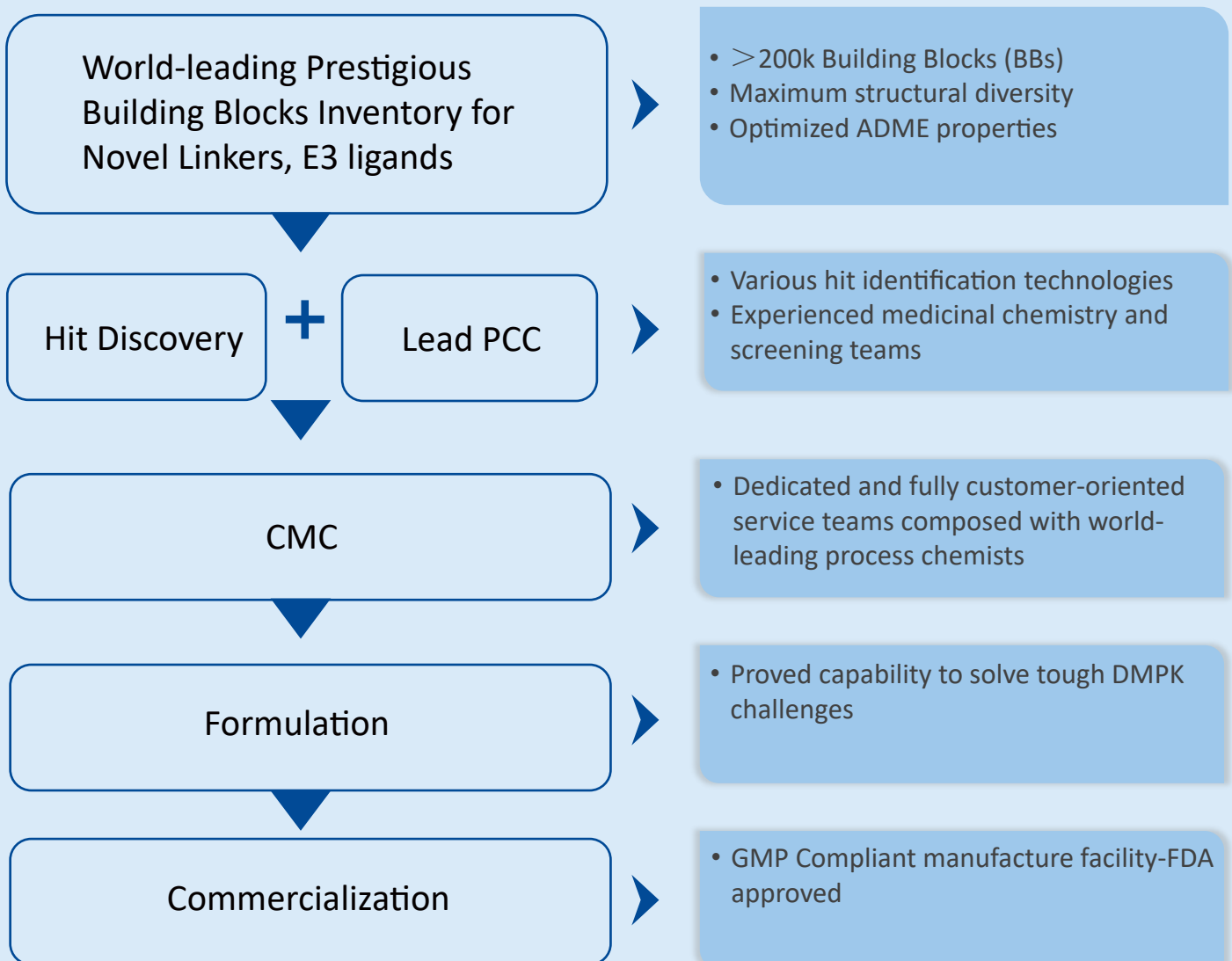


## TPD Capability at PharmaBlock

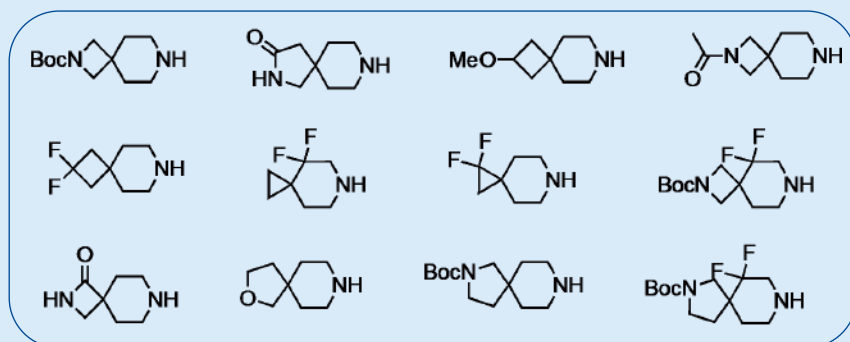
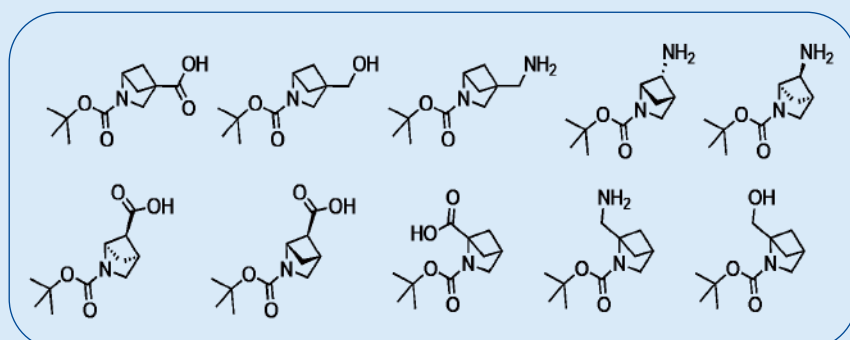
From hits to clinical candidates to commercial products



## Building Blocks to Inspire and Accelerate TPD Discovery

- Efficient linker for optimal degradation, selectivity, ADME properties
- PB's prestigious BB collections significantly enhance efficiency and success rate

**Unique Spiro, Bridge ring BB collections for accurate confirmation control and ADME optimization**

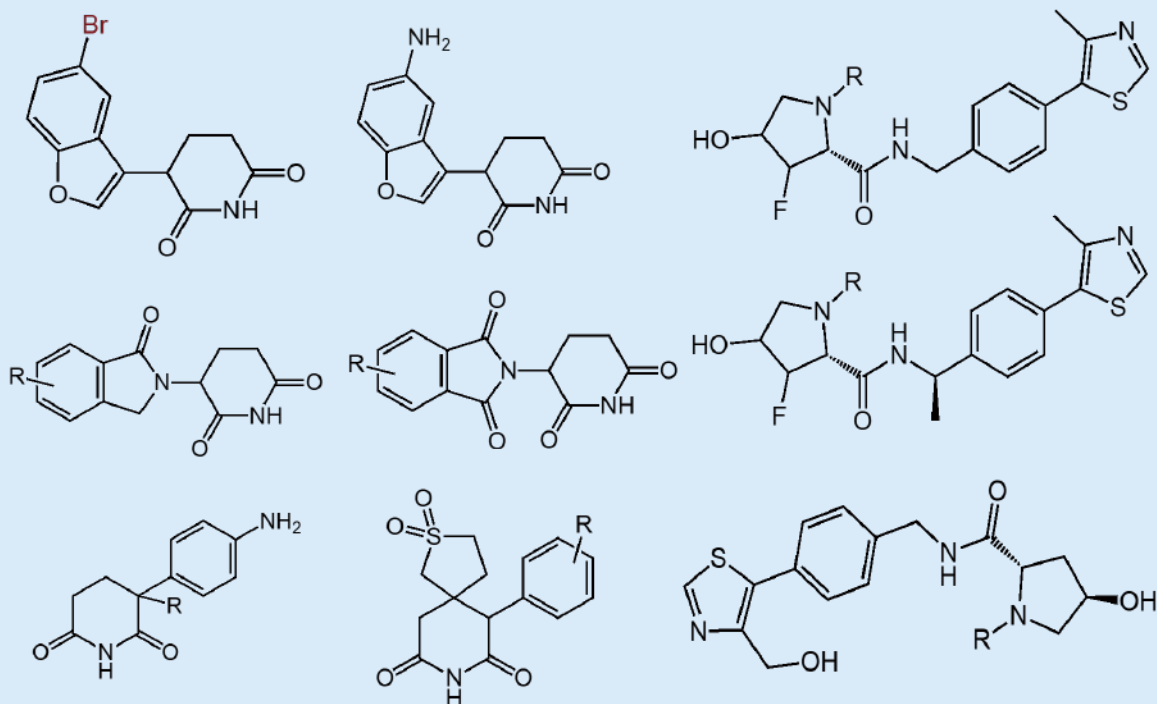


Exit Vector	Availability
-COOH	> 200
-OH	> 200
-NH2	> 200
Alkyl	> 200
Azide	> 100
-X	> 100

## Wide Selection of CRBN and VHL Ligands

- 2500+ / 700+ of CRBN/VHL ligands designed, respectively
- One of the largest collections for novel TPD design and screening
- Grams to hundreds of kg scale in stock for most commonly used ligands

**Enabling prompt material supply for early discovery and development**



## Early Discovery to PCC Identification

New Ligand  
PROTAC Identification

Hit to Lead

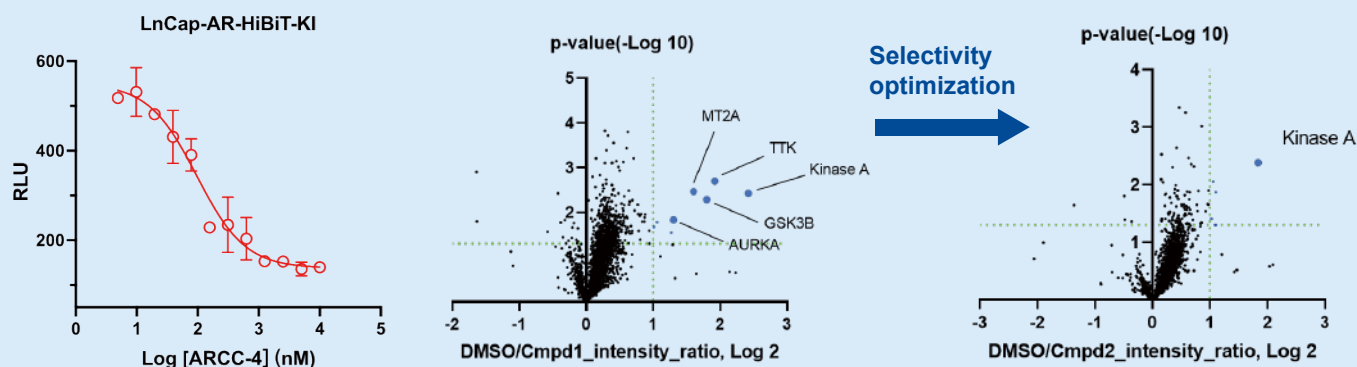
Lead Optimization  
PCC

- DELT
- FBDD
- AI
- Rational Design

Discovery Chemistry

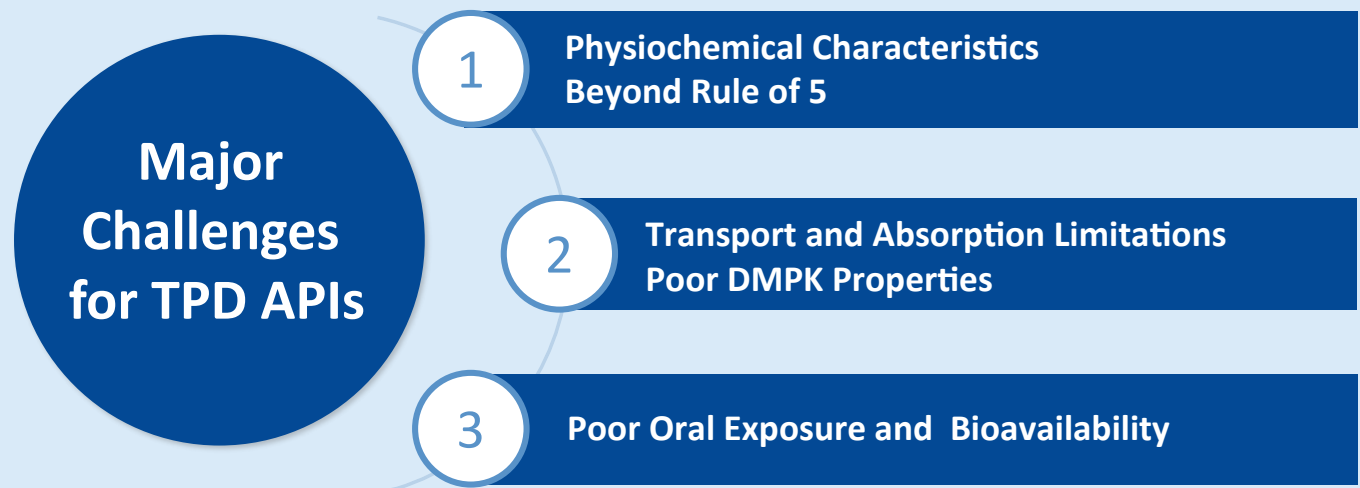
- Medicinal Chemistry Expertise
- CADD/AI Support

Supported by cascade of crucial screening and characterization assays

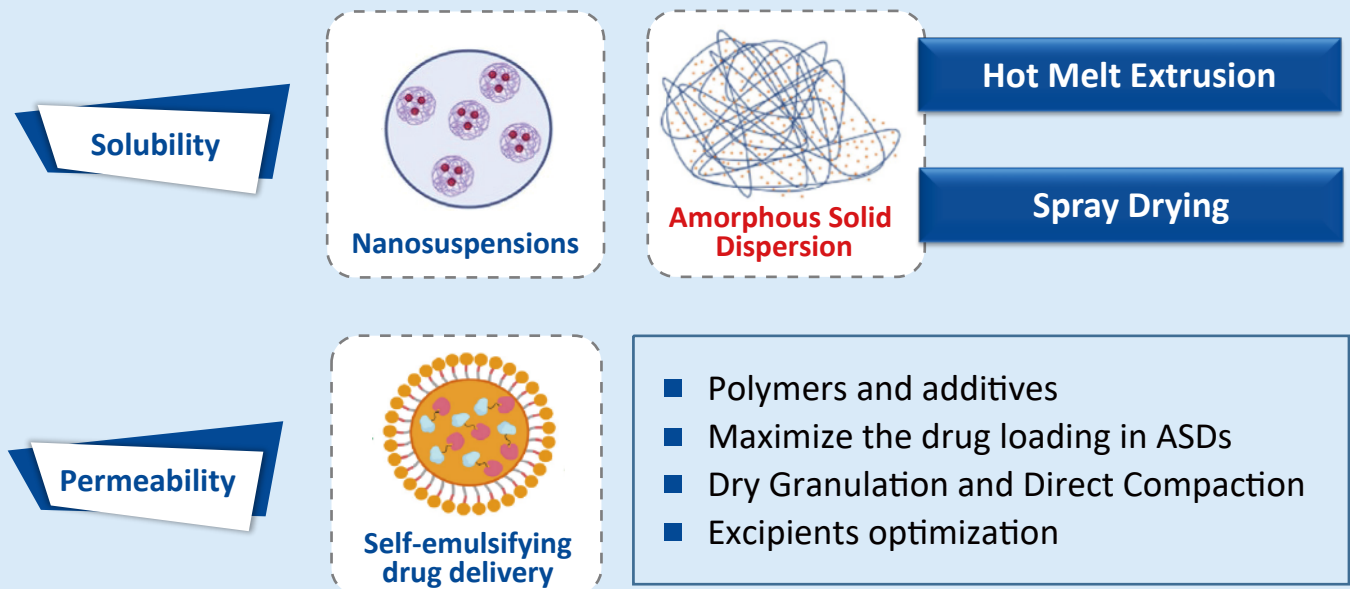


- Multiple-interface biophysical assays for binary and ternary binding elucidation
- High efficient cell based HiBiT-Nanoluciferase—96/384 well plate screening system supporting SAR studies
- Proteomics based degradation selectivity evaluation platform, critical to de-risk potential off-target degradation and toxicity

## Formulation Solutions Overcoming DMPK Challenges



### Formulation strategies



# Proved CMC Capability Supported by Dedicated Team

Problem solving capability for challenging TPD API: Injection

- 7 chiral centers, M.W. > 1000
- Solid state study showed no crystalline
- API produced as HCl salt in amorphous form
- Solvent residue issue
- High hygroscopicity, packing and storage difficulty
- Purification difficulty

## Challenges

- 50 g demo batch (5 months)
- 120 g GLP toxic batch (1 month)
- 500 g non-GMP batch (3 months)
- 700 g GMP batch (3 months)
- IND application approved by FDA, 2022.10
- 1.5 kg GMP batch (2023.02 started)

## Accomplishments