STA
Part of WuXi AppTec

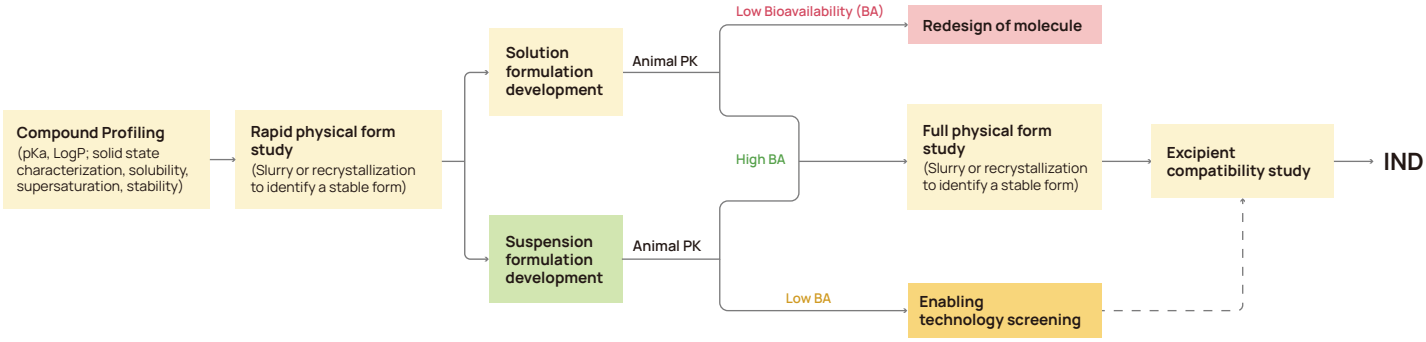
Preformulation Development for Small Molecules



Accelerate Your Path to IND with Our IND-Enabling Preformulation Package (IEPP)

IEPP is an integrated service for new chemical entities (NCEs) designed to rapidly assess developability, identify the best drug candidate, and develop the optimal human formulation for IND filing.

8-12 weeks for IND ready formulation



Why Choose IEPP

Parallel Screening of Bioavailability Enhancing Technologies

- Spray Dried Dispersion
- Hot Melt Extrusion
- Nano Particles
- Lipid Formulation

Animal PK to Ensure Drug Exposure

In Vitro, In Vivo & In Silico Testing All at One Site

API Required at Each Stage

20 mg — PK formulation

- 10mg/mL solution
- Standard set of vehicles
- Dilution in GI fluids
- 24h stability

100 mg — Profiling

- Tm, pKa, logP, etc.
- Solid state characterization
- Characterization Aqueous solubility
- Super-saturation
- Gastro +
- Chemical stability

2 g — Form selection

- Polymorph salt screening
- Physical stability
- Particle size
- PK: solution vs. suspension

5 g — PK/TOX enabled

- Enabling technology screening (if needed)
- Drug load optimization 2-4 weeks stability
- Scale up for PK/Tox

Looking for a fast and cost-effective way to bring your small molecule drug candidate to IND?

Get in Touch to **Accelerate Your IND Filing!**

WuXi STA

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LinkedIn

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