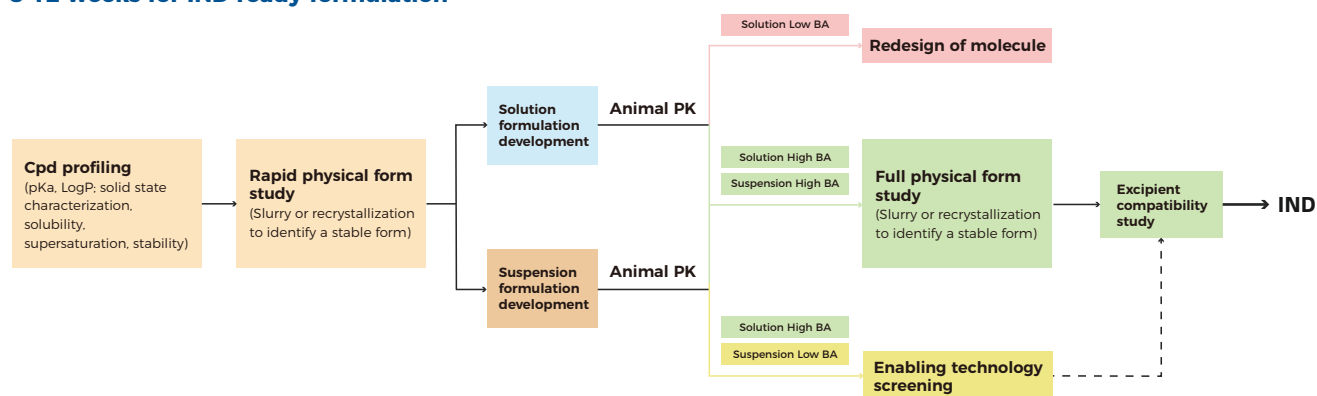


# WuXi STA IND Enabling Preformulation Package (IEPP)

An integrated CMC service to help you select and develop new drug candidates rapidly and successfully

WuXi STA's IND Enabling Preformulation Package (IEPP) is an integrated developability assessment service for new chemical entities (NCEs) to efficiently identify challenges and solutions earlier for higher success rates and lower overall costs.

## 8-12 weeks for IND ready formulation



## "One-stop" complete bioavailability enhancement platform



Spray Dried Dispersion



Hot Melt Extrusion



Nano Suspension



Softgel & Liquid Filled Hard Capsules

- Parallel screening with bioavailability enhancing technologies
- Animal PK to ensure drug exposure
- All in-vitro, in-vivo and in-silico tests **completed in one single site**

## IND ready formulations with minimal API quantities

20mg API	100mg API	2g API	5g API
<b>PK formulation</b>	<b>Profiling</b>	<b>Form selection</b>	<b>PK/TOX enabled</b>
<ul style="list-style-type: none"> <li>· 10mg/mL solution</li> <li>· Standard set of vehicles</li> <li>· Dilution in GI fluids</li> <li>· 24h stability</li> </ul>	<ul style="list-style-type: none"> <li>· Tm, pKa, logP, etc.</li> <li>· Solid state characterization</li> <li>· Characterization Aqueous solubility</li> <li>· Super-saturation</li> <li>· Gastro +</li> <li>· Chemical stability</li> </ul>	<ul style="list-style-type: none"> <li>· Polymorph salt screening</li> <li>· Physical stability</li> <li>· Particle size</li> <li>· PK: solution vs. suspension</li> </ul>	<ul style="list-style-type: none"> <li>· Enabling technology screening (if needed) (SDD   HME   Nano suspension   Liquid formulation)</li> <li>· Drug load optimization 2-4 weeks stability</li> <li>· Scale up for PK/Tox</li> </ul>



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