THERE'S A SCIENCE TO SUCCESS®

serán

Rapid, flexible, science-based formulation development "Right-From-the-Start."

Accelerated Product Devlopment

Now more than ever, accelerated product development is required to meet clinical timelines. Working with Serán to identify your lead formulation is a proven way to accelerate your development program.

Rapid Prototype Screening

Material Sparing

Meet Target Product Profile

Risk Mitigation

To accelerate and support early studies, Serán has developed rigorous methods to rapidly develop advanceable and scalable formulations by using our experience and understanding of the material properties of your product. Our approach ensures that CMC never becomes the bottleneck to your clinical progress.

PRODUCT DESIGN EXPERTS

Industry Expertise enables a comprehensive formulation development platform supported by state-of-the-art analytical capabilities.

Material Sparing Approach uses only milligrams of material to to understand bioperformance and to support technology selection

Analytical Expertise is leveraged to support our formulators and ensure scientifically sound decisions are applied to each project throughout all clinical stages.

Connect & Learn More

www.seranbio.com
hello@seranbio.com

Developing the right formulation strategy to quickly meet your program's unique needs.

Rapid and Flexible Formulation Development

Pre-formulation Assessment & Technology Selection

- Solid state characterization (thermal analysis, form assessment, particle and powder properties)
- Solubility assessments & bioperformance modeling
- Technology selection (particle size reduction, amorphous solid dispersion, lipids, permeation enhancement)
- Drug Product Intermediate Development
- Particle size reduction (micronization, nano-milling)
- Amorphous solid dispersions (spray drying, HME)
- Lipid formulation screening
- Pre-clinical suspension development

Drug Product Design & Development

- Tablets, capsules, minitablets, multiparticulates
- Immediate release, controlled release, pediatrics
- Support for extemporaneous preparation (PiB, PiC)
- Bench-scale, material-sparing techniques
- Assessment of mechanical properties of powders, granules, and compacts
- Compressibility, tabletability, and compactability (CTC) profiles
- Identification of scalable parameters
- Accelerated Predictive Stability screening

Equipment

- **Analytical Characterization:** mDSC, XRPD, TGA, DVS, SEM, HPLC, UPLC, HPLC-CAD, cKF, PION µFlux, Type I / Type II Dissolution, biorelevant dissolution
- **Physical Characterization:** Tablet hardness tester, disintegration (auto-endpoint), Geopyc, Accupyc, shear cell, FlowDex, sieve analysis, Texture Analyzer
- **Prototyping Equipment:** Turbula mixer, Gerteis Handmill, STYL'One Compaction Simulator, ProFill Encapsulator, MeltPrep VCM, Glatt Mini Fluid Bed, Custom Spray Dryers
- **Process Scale Equipment:** Gerteis Polygran Roller Compactors, KorschXL100 Tablet Presses, MG2 Dosator Autoencapsulators, Leistritz Extruder, Glatt GPGC Fluid Beds, O'Hara Film Coaters, Custom spray dryers, Custom conical vacuum dryers