

THERE'S A SCIENCE TO SUCCESS.™

serán

Engineered solid dosage form solutions for a wide range of formulation approaches.

Dosage Form Design

Serán is your development partner for all oral solid dosage form needs. Focusing on what's right for the patient and client with scalable and advanceable formulations allows Serán to deliver the preclinical and clinical supply manufacturing flexibility customers need for their programs.



Enabled Formulations



Powdered Forms



Tablets, Capsules & Multiparticulates



Inhaled Particulates



Serán has a demonstrated track record of developing robust, early clinical formulations that enable our clients to deliver their medicines for facile FiH with formulations that are advanceable through the entirety of clinical development.

PRODUCT DESIGN EXPERTISE

- **Industry Expertise:** Scientific and manufacturing expertise to deliver clinic-ready products and processes.
- **Drug Delivery:** Whether immediate release, bioavailability-enhanced, or modified release is required, we deliver what's needed.
- **Adaptable Processes:** Meet your TPP while dynamically responding to evolving clinical manufacturing needs.
- **Manufacturing Excellence:** State-of-the-art facilities and equipment with cutting-edge technologies, supporting <1kg - 200 kg batches.
- **Partner Focused:** As a trusted member of your team, we deliver with your goals in mind.

Accelerated technology selection & dosage design through every clinical manufacturing phase.

Formulation and Dosage Design

- Bioavailability enhancement, bioperformance modeling, and technology selection
- Enabled formulation development – functional excipients, amorphous solid dispersions (SDD, HME), micronized or nano-sized particles, lipid-based formulations, lipid nanoparticles
- Tablet design
 - IR, ER, DR
 - Fixed dose combinations
 - Minitablets
 - Bilayer tablets
 - Functional or cosmetic coatings
- Multiparticulates – fluid bed coating
- Encapsulation (powders, pellets)
- Powder for reconstitution
- Extemporaneous preparation – PiB, PiC

Analytical and Quality Control

- Extensive particle & powder property characterization
- Solid-state characterization
- Biorelevant dissolution assessments
- QC dissolution method development
- Accelerated predictive stability studies
- Phase appropriate analytical methods & specifications
- Drug product analytical method development, qualification, and validation



Connect & Learn More

✉ hello@seranbio.com ☎ (541) 797-2148

🌐 www.seranbio.com 📍 Bend, Oregon

serán

Serán is a world leader in drug development and manufacturing. Utilizing a foundation of physical and chemical science, Serán designs robust formulations and engineering solutions to some of the industry's toughest drug product problems.