

THERE'S A SCIENCE TO SUCCESS.®

serán

www.seranbio.com

Serán BioScience: Speed results and improve success.

Developing Advanceable Formulations

Serán has developed a novel drug-product-development paradigm that enables first-in-human drug product (preferably a tablet) that can be scaled to a commercial presentation with minimal time and cost. This proprietary “right from the start”™ approach utilizes state-of-the-art materials science and computational methods to dramatically reduce cost and increase speed and flexibility as a product advances through early-stage development into late stage and commercial manufacturing.

Delivering speed and flexibility

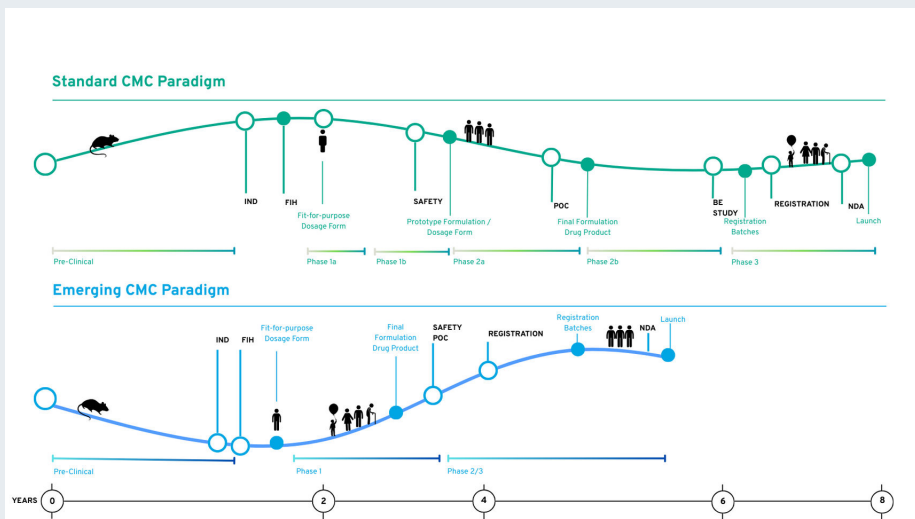
At Serán, we believe that barriers such as cost, speed, and flexibility are no longer valid reasons to not consider commercially viable solid dosage forms right from the start.

Identifying the most strategic option for your program

Using proprietary computational methods and extensive materials characterization enables the development of the drug product intermediate, when needed, and the drug product in parallel – ensuring that we identify the most strategic option for your target product profile and program needs. Built on the pillars of stability, performance, and manufacturability we develop a program strategy designed to meet the need for flexibility and speed that is often required for an early-stage target product profile.



Serán's “Right from the Start”™ Saves Development Time



CMC should never be the bottleneck to your clinical success.

Track record of developing advanceable formulations

- Easily ramp up production to meet clinical demand throughout phase escalation
- Formulation design that considers the need for enabling technologies
- Optimal approach is chosen based on molecular properties and your program strategy
- Drug product intermediate is integrated with drug product design right from the start
- CTC profiles ensure robust drug product meets TPP
- Customized approach for each molecule and program

Formulations designed to ensure product performance

- Formulations for tablets, and capsule design
- Enabled formulations utilizing spray drying, HME and fluid bed processing
- Granulations
- Bench scale techniques enable rapid screening
- Rapid and robust disintegration and dissolution
- Reduced hygroscopicity to mitigate moisture-dependent degradation
- Mitigation of gastric pH impact
- Approach prioritizing product performance, manufacturability, and stability



Connect & Learn More

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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.