Driving Success from Preclinical to Commercial Approval & Beyond

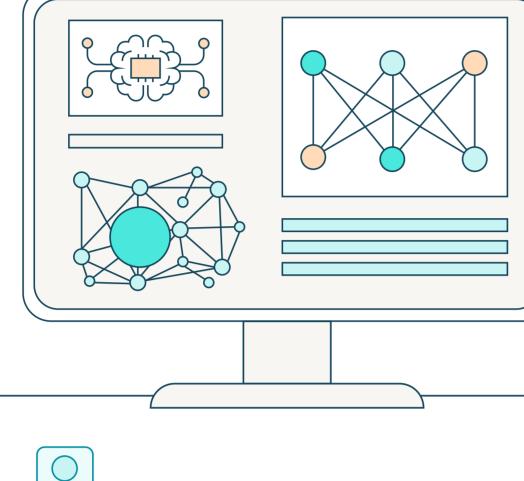
A guide for early and late-stage development, commercialization, and lifecycle management

risks from the outset, helps accelerate product development and control risks and costs. By the time your project reaches late-phase development, significant time, effort, and financial resources have been invested, making it critical to expedite your drug product's route to market. Also, ample formulation adjustment opportunities often exist to accomplish numerous post-approval objectives. Join Coriolis Pharma to explore the checkpoints and acceleration opportunities developers face at these critical junctures.

A robust formulation, supported by comprehensive analytical characterization and mitigation of potential



Trials with In Silico Tools Select the most promising candidates with



 Use in-silico tools to predict the influence of formulation on drug product (DP) stability Select lead formulations for clinical studies

the most favorable biophysical properties.

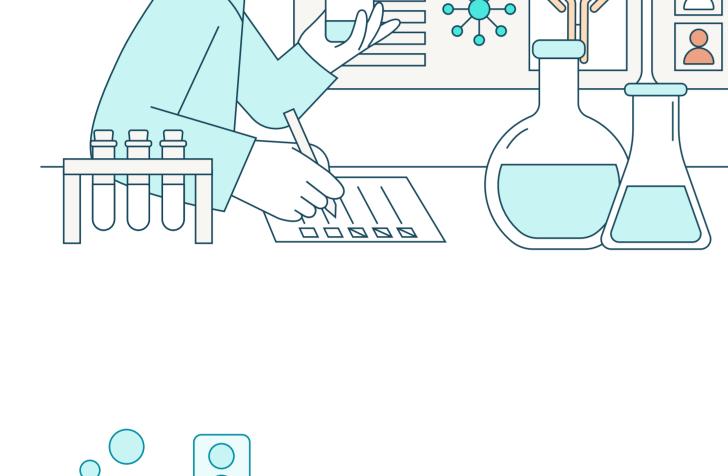
Determine self-interactions and predict development risks

Screen early candidates

- In-silico models enable:
- Early decision-making Later-phase success



Translating In-Silico Insights into Formulation-Ready Candidates



wet lab experiments Conduct high throughput preformulation studies to assess key physicochemical properties Identify and address potential risks impacting developability

Validate in-silico predictions through targeted

experimental validation to ensure robust

clinical-phase readiness.

Rapid progress

- Refine formulation strategy to enable seamless clinical entry

Developability and preformulation studies enable:

Fast to the clinic



Seamless GMP integration



Potential timeline shortening opportunities include:

and prepare your program.

Decentralized GMP release methods

200+ analytical methods





 Detail integrations with commercial packaging, storage, distribution, and patient use scenarios

Narrow Critical Quality Attributes (CQAs)

Review all accumulated data to refine CQAs and

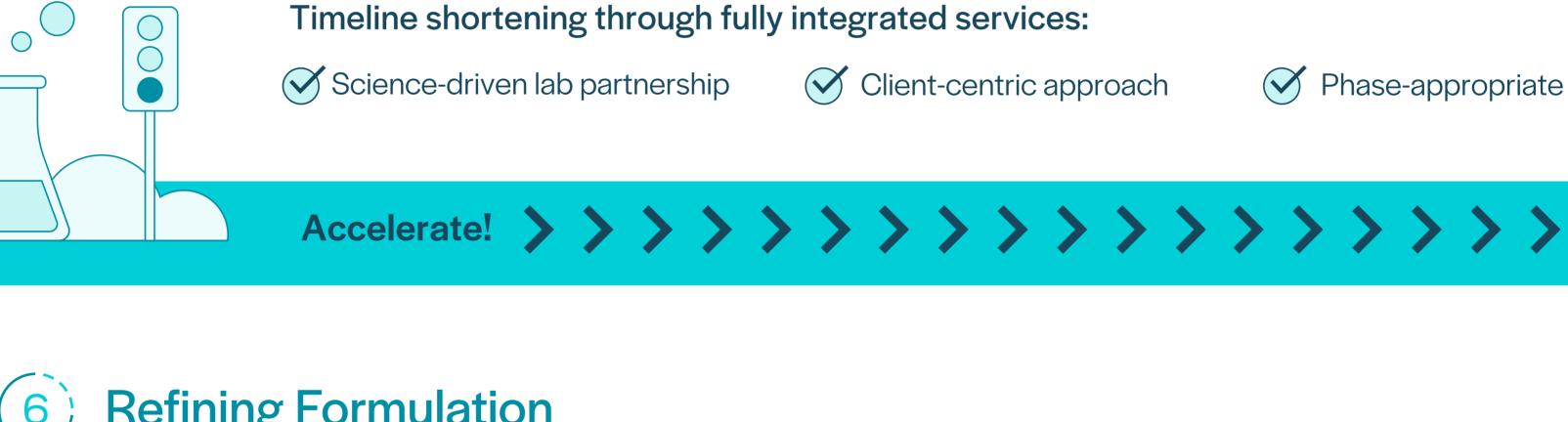
provide robust, supportive data

Tighten manufacturing specs

Lock in and validate control strategies

and the Quality Target Product Profile (QTPP).

meet regulatory expectations Tighten specification limits and confirm product safety and stability for the established shelf life



Client-centric approach Phase-appropriate services

Optimize formulation to support

Address viscosity or syringeability issues in

concentration for lower injection volume

Tailored solutions for combination products

Lyophilization-driven formulation adjustments

Patient-centric refinements such as formulation

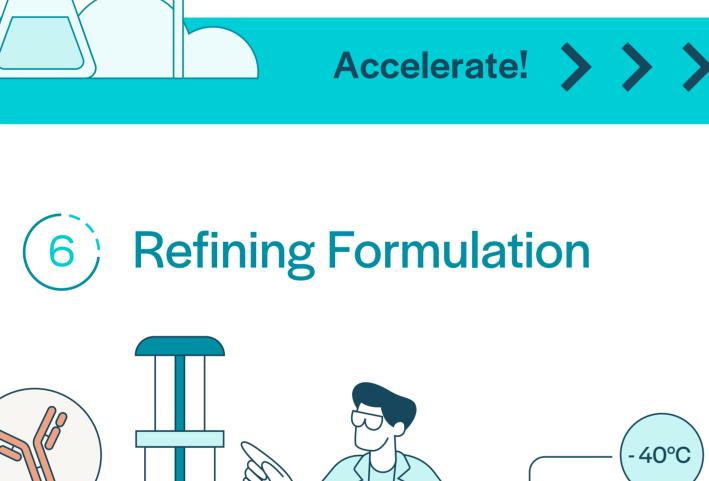
high-concentration formulations

Optimize analytical methods to ensure

comprehensive product understanding.

Refine analytical methods for your late-phase DP

Validate and verify your analytical methods, and ensure they

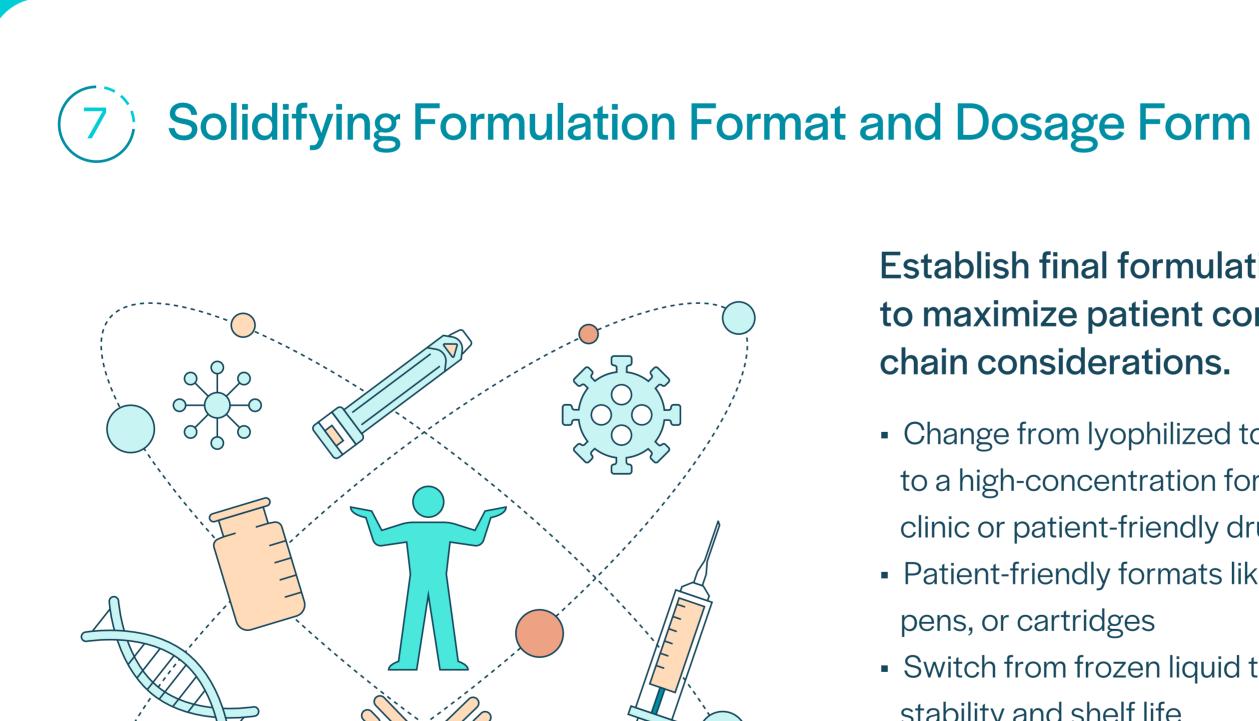


CQA and QTPP refinements and patientcentric clinical strategies. • Enhance stability and improve manufacturability •=



Establish final formulation format and dosage form

to maximize patient compliance and satisfy supply



Prepare for Unexpected Issues

to a high-concentration formulation to accommodate clinic or patient-friendly drug delivery Patient-friendly formats like prefilled syringes, autoinjectors, pens, or cartridges

procedures related to patient administration

Switch from frozen liquid to lyophilized DP to extend

Clinical in-use compatibility studies to verify handling

Change from lyophilized to liquid DP or adjust

chain considerations.

stability and shelf life

Unexpected late-phase scale-up challenges can

Identify particles and understand the root cause

different manufacturing sites)

of particle formation

- occur. Ensure you have the right partner to identify and solve roadblocks quickly and sustainably Investigate lot-to-lot variabilities (e.g., between
- Evaluate scale-up challenges Apply specialized methods to address complex issues beyond standard approaches With analytical expertise front and center, identify and address the root cause(s). Al tools for rapid analysis Fast-Track particle identification State-of-the-art equipment

Lifecycle Management Maximizes Investment





 Reformulation and line extensions creating new intellectual property and extending patent life Improve patient compliance Optimize product stability, handling, and simplify manufacturing Support additional indications or patient populations

Lifecycle management, DP reformulation and change

of primary packaging material can be valuable for

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