



In it for life

ASD — HIPROS

**Formulation
screening platform
for Amorphous
Solid Dispersions
by Spray Drying**



5g OF
API



IN SILICO
MODELLING



24 SD
PROTOTYPES



6
WEEKS



Spray Drying screening service for poorly soluble drugs

ASD-HIPROS, Hovione's Intelligent Proprietary Screening, is the most advanced and accurate tool to identify Amorphous Solid Dispersion formulations by Spray Drying with maximum performance and stability.

Identify optimal formulations based on performance

- Requiring as little as **5g** of API;
- Rapid screening for the best combination of drug loads, polymers and surfactants;
- Spray Drying of **up to 24** of the most promising formulations;
- Formulations analyzed for performance and stability;
- Turnaround in just **6 weeks**.

Detailed assessment report

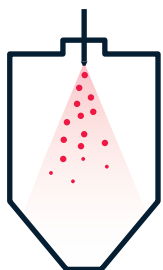
- Formulation space definition;
- List of **24** viable formulations tested experimentally;
- Processed analytical results;
- Formulation ranking, identifying the best formulations;
- Options on how to proceed with your drug candidate.

3 Step Screening Process



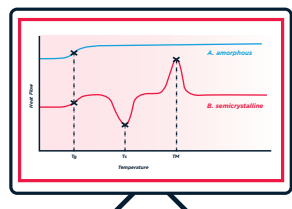
1 *In silico* Computational Screening

- Computational Modelling
- Initial screening ranking: *Thermodynamics; Kinetics; Physical stability*
- Reduction formulation space and candidate selection



2 Spray Drying Experimental Prototyping

- Spray Drying experiments
- 24 Lab-Scale prototypes
- Evaluation of multiple: Drug loads, Polymers and Surfactants



3 Analytical testing and Solid-state characterization

- Two-Step Bio-relevant Dissolution
- Modulated Differential Scanning Calorimetry
- One-Month Physical stability

ASD-HIPROS: A seamless experience for you and your drug candidate

- Requires minimal API – just **5g** of your API for the full service;
- Rational formulation definition using *in silico* computational modelling;
- Testing of a high number of Spray Drying prototypes **(up to 24)** to screen for most promising formulations;
- Rapid turnaround time in as little as **6 weeks**;
- Flexible operation space, maximizing formulation combinations with different drug loads, polymers and surfactants;
- Single point of contact for improved communication.

Secure path to clinical supplies with the leader in Spray Drying

Hovione is a CDMO with more than 15 years of accumulated experience and expertise in Spray Drying development and manufacture. Hovione offers a clear path to clinical supplies and commercialization by combining modeling capabilities and extensive process knowledge with manufacturing capacity and an excellent approval track record.

Preclinical
Studies

Clinical
Supplies

Commercial
Manufacturing



Talk to us today.

Let's discuss your
project together.

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