

Facing formulation challenges?

Discover what **Dispersome™**,
a solubility enhancement technology,
can do for your drug development



Faster drug development

Supported by ASD-HIPROS



Patient compliance

Higher dosage, smaller tablets



High drug load

Formulations with >50% API



Patent protection

Portfolio lifecycle extension



Improved drug efficacy

Increased body uptake cycles



Manufacturing compatibility

With existing oral solid dosage forms



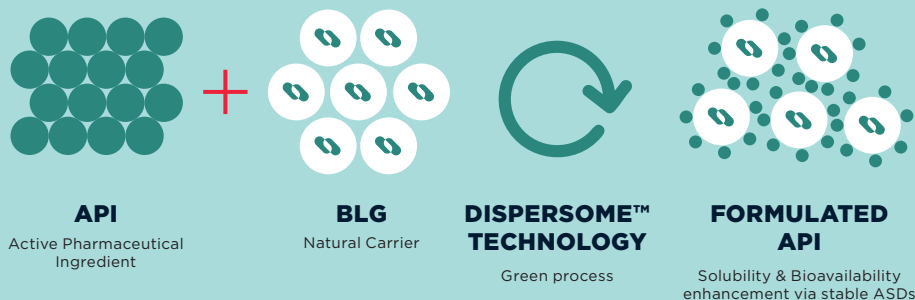
If you're looking to increase drug solubility and bioavailability,
go for a game-changing solution. **Contact our experts today.**

Dispersome™

Make your drug soluble

Dispersome™ is an IP-protected technology that relies on an innovative and natural occurring excipient (β -Lactoglobulin - BLG) to develop Amorphous Solid Dispersions with high drug loading (typically above 50%) and high bioavailability.

How does Dispersome™ work?



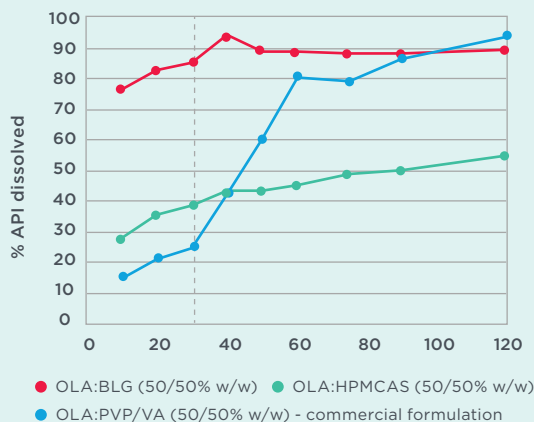
The Dispersome™ technology brings a natural, clean-label solution to your project:

- Sustainable excipient
- Green formulation
- Supporting regulatory and patient demands

Case Study | Dispersome™ applicability for oral drug delivery

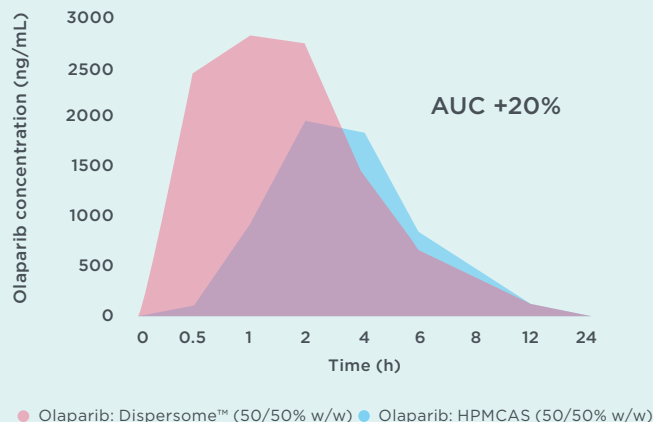
Olaparib (BCS class IV) at 50% formulated with Dispersome™

In vitro dissolution profile Same DL and different Surfactant



Dispersome™ delivers >80% API release while maintaining supersaturation (*in vitro* two-stage biorelevant dissolution)*.

Olaparib model showing improved *in vivo* exposure *In vivo* PK data in dogs



Superior *in vivo* exposure in a single-dose dog Pharmacokinetics (PK) study.

**In vitro* two-stage biorelevant dissolution with a 30-min pH shift from fasted-state simulated gastric fluid (FaSSGF, pH 1.6) to fasted-state simulated intestinal fluid (FaSSIF, pH 6.5)

The case study demonstrates the platform's ability to deliver the same efficacy with better patient compliance by reducing tablet size and / or dosing regimen. In addition, Dispersome™ technology maximizes shelf life by ensuring long-term stability.

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