SUPRIA X2™

— Omega-3, Reimagined Through Phospholipids —

Powered By rubyO®

A new standard beyond Krill Oil

A new generation of omega-3 designed to deliver enhanced performance through advanced lipid architecture.

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Why a **Better Alternative** to krill is here

Krill redefined omega-3 by introducing phospholipids, making better absorption and more efficient delivery possible.

However, its performance remains tied to natural composition and marine sourcing.

Today, omega-3 moves beyond those limitations, into a new era of designed lipid performance.

Krill Oil

Where krill reaches its limits

Krill has played a key role in advancing omega-3, particularly by introducing phospholipid-based delivery.

However, as a naturally sourced ingredient, its performance remains tied to predefined structures and conditions:

- Fixed EPA + DHA profiles
- Dependence on marine sourcing
- Supply and sustainability considerations
- Formulation and encapsulation challenges
- Limited adaptability across applications

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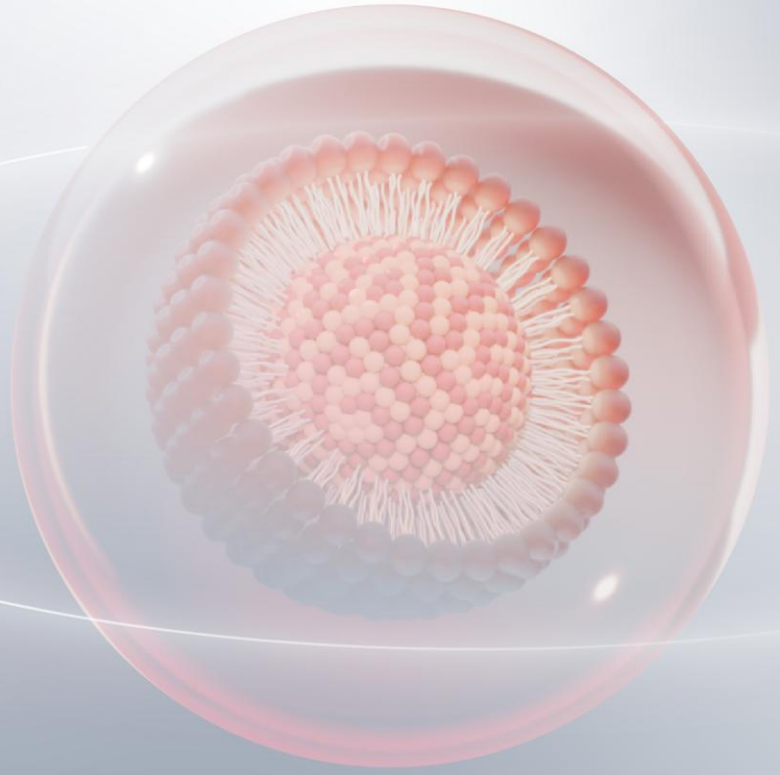
Supria X2™ represents a new approach to omega-3, where performance is no longer defined by source, but by design.

It delivers double the strength of EPA + DHA + bonded phospholipids, in a format optimized for efficiency, scalability, and real-world application.

Not extracted.

Not limited.

Designed, inspired by nature.



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Beyond krill, by design

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Supria X2™ introduces a fundamentally different way to structure omega-3

Through a controlled enzymatic process, EPA and DHA are bonded to phospholipids, enabling a **higher level of phospholipid association** than what is naturally found in krill.

.This allows Supria X2™ to:

- Increase the amount of phospholipids linked to EPA + DHA
- Deliver more efficiently at lower inclusion levels
- Optimize lipid structure beyond naturally fixed compositions
- Designed phospholipid systems, not naturally predefined ones
- Ability to tailor EPA, DHA, and phospholipid profiles
- Flexible architecture adaptable to different applications
- Scalable across formats, categories, and markets

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Enabled by the BPL-O3™ (Bonded Phospholipid Lipids) architecture of Ruby-O, this approach allows for a more precise and efficient way to deliver omega-3.

More linked. More delivered. More efficient.

DOUBLE THE STRENGTH | More of what matters.

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SUPRIA X2™

Serving Size:

2 softgels 500mg — 1000 mg total

Total EPA +DHA:	450 mg
Total EPA:	250 mg
Total DHA:	200 mg
Total Phospholipids:	300 mg
Phospholipids Bonded to EPA + DHA:	120 mg (Higher than krill oil)

VS

Krill Oil

Serving Size:

2 softgels 500mg — 1000 mg total

Total EPA +DHA:	176 mg
Total EPA:	120 mg
Total DHA:	56 mg
Total Phospholipids:	400 mg
Phospholipids Bonded to EPA + DHA:	80mg*

More phospholipids bonded to EPA + DHA, thanks to BPL-O3™ technology.

* EPA + DHA – Bonded Phospholipids determined by internal analytical methods based on chromatography and NMR.

Where it performs

Supria X2™ is designed to create value across the full development chain:

For brands

- Stronger differentiation beyond krill and traditional omega-3s
- Premium positioning with smaller, more efficient formats
- Platform for innovation across multiple product concepts

For encapsulators

- Easier processing and improved manufacturability
- More stable and consistent fill behavior
- Reduced complexity compared to krill oil

For formulators

- Greater flexibility in lipid composition
- Ability to design targeted performance profiles
- More control over final product functionality

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Built for what's next

Supria X2™ enables a more scalable and future-ready approach to omega-3:

Free from supply and sustainability constraints

Designed for consistent, scalable production

Not dependent on marine sourcing or krill harvesting

Availability of plant-based alternatives

This ensures long-term viability across global markets and evolving consumer expectations.

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PARAMETER	RUBY-O ENGINEERED BPL-O3 TECHNOLOGY (BONDED PHOSPHOLIPID OMEGA-3, PATENTED)	KRILL OIL
Omega-3 platform	Engineered structured lipid matrix	Natural marine phospholipid matrix
EPA content	10-500 mg/g (Customizable)	140 mg/g (Fixed)
DHA Content	10-500 mg/g (Customizable)	60 mg/g (Fixed)
Total EPA+DHA	200-500 mg/g (Customizable)	200 mg/g
EPA/DHA Ratio	Flexible, based on formulation	2.3
Phospholipids Bondend omega-3	35-40%	20%
Total Phospholipid content	20-90 %	40-50 %
Diversity in formultion phospholipid	Up to ~15 polar lipid species, including PC, LPC, PI, PE, PS, LPS, NAPE, DPG/cardiolipin, PG, PA, LPA, LPE; glycolipids may also be present depending on the matrix	Not report
Capability for class enrichment of phospholipids	Yes; can be designed to enrich LPC, PC, PS, LPS, or other targeted polar lipid classes	No; natural profile is essentially fixed (PC or LPC)
Lipid architecture	Polar fraction (phospholipids) + neutral fraction (TG/DG/MG/FFA/EE depending on formulation)	Phospholipids + TG +EE
Formulation Versatility	High: EPA-rich, DHA-rich, balanced EPA/DHA, or target-oriented polar lipid systems	Limited by natural composition
Emulsion Particle size	14 -50 nm (nano emulsion better absorption and bioavailability)	150-300 nm
Omega-3 Index response	Increase in 34% Proven in 12-week trial	Not consistently measured
Triglyceride Reduction	Clinically confirmed, effective at low doses (825 mg EPA+DHA+ 1200 phospholipids)	Yes, but at higher doses (more 1500 mg EPA+DHA + 2800 mg phospholipids)
Multi-bioactive delivery potential	Platform allows co-delivery of bioactives (Omega-3, CoQ10, CBD, resveratrol, lutein and zeaxanthin, NSAIDs and other lipids)	Omega-3, CBD, curcumin, CoQ10
Formulation stability	Stable over time, stable to hydrolysis	unstable, susceptible to hydrolysis
Supply model & Scalability	Flexible sourcing: fish oil or microalgal omega-3 + soy/sunflower phospholipids	Constrained Antarctic krill supply, ecological debates

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Omega-3, designed for performance.

A better alternative to krill oil

A new standard in lipid delivery.

Let´s Start the conversation

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