

MODS Max™ Delivery Platform

An educational overview: what it is, how it works, and where the evidence stands

Better delivery is the breakthrough. Competitors can copy an ingredient panel. They can't copy a proprietary delivery platform.

What MODS Max is

MODS Max is our patent-pending delivery platform: a stabilized aqueous mineral-oxide system. It isn't an active ingredient. It's the carrier the actives ride in, which is what lets a compact 1 mL dose do the work of a much larger conventional format.

Chemically, it belongs to the mineral-oxide family, where mineral elements are bound with oxygen in purified water at very low concentration. The identities and ratios of the mineral components, the stabilization method and the formulation process are trade secrets covered by our patent-pending filings. That formulation know-how is the asset, so we hold it closely, the same way any delivery-technology company would.

What we disclose for each finished product: the complete label and specification, and lot-level analytical results. Every lot is released against measured values, not calculated ones.

How it works

MODS Max has two functions. We keep them separate because they do different jobs.

1. Formulation protection

The mineral-oxygen bonds in the system have high electron affinity. That gives the base its own antimicrobial character, which helps preserve the formula with a lighter preservative package.

2. Delivery

Many of the most valuable nutrients and peptides are polar or charged. Their problem isn't solubility. It's that tight junctions between epithelial cells keep them from crossing. MODS Max is designed to gently and temporarily support passage across those natural barriers, so a compatible active can be meaningful at a small dose.

In plain terms:

1. Open

On contact with moist tissue, a brief, low-level oxygen signal tells the cells to loosen the seals between them.

2. Pass through

Compatible nutrients and peptides cross between the cells. The solution's surface charge likely interacts with the mucin layer, keeping the dose in contact longer instead of being cleared right away.

3. Close

The effect is temporary by design. The seals close again, and the same signal switches on the cells' own antioxidant defenses (NRF2).

MODS Max doesn't wrap the nutrient in a shell the way a liposome does. It prepares the doorway the nutrient passes through. That makes it a different approach from encapsulation, and one that can be used alongside it ([Warren, Preprints.org 2026](#)).

Stability

We have real-time stability data showing active content within specification of the label claim beyond 12 months, in the commercial container at room temperature. Appearance, pH and microbial limits also stayed within specification. That's actual shelf time, not accelerated modeling.

Stability is the first question any formulator asks about a new delivery base. It's also why we spent five years developing and testing before commercializing, rather than rushing a platform to market. We can share the stability report for the specific product you're evaluating.

Quality

Manufactured under cGMP with food-grade components, with a certificate of analysis on every lot. We're happy to walk your QA team through the full specification and release testing protocol.

Effectiveness: what we're seeing

Published case series. In a 2026 Cureus case series, 15 men used a 1 mL sublingual enclomiphene formula powered by MODS Max. All 15 had higher total testosterone at 60 days. The mean rose from 347 to 805 ng/dL, with no serious adverse events ([Cureus 2026](#)).

Clinical experience across molecule sizes. In clinical use, MODS Max formulas have given encouraging results with compounds ranging from small nutrients to peptides about 20 times larger:

Compound	Approx. size	Type	Compound	Approx. size	Type
GABA	103 Da	Small polar molecule	NAD+	663 Da	Charged coenzyme
Vitamin C	176 Da	Vitamin	Selank	752 Da	7-amino-acid peptide
Melatonin	232 Da	Small molecule	Semax	814 Da	7-amino-acid peptide
Methylene blue	320 Da	Small molecule	BPC-157	1,419 Da	15-amino-acid peptide
Epitalon	390 Da	4-amino-acid peptide	MOTS-c	2,175 Da	16-amino-acid peptide
Enclomiphene	406 Da	Small molecule			

Peptides are available only under physician supervision. Results vary by compound and formula.

One platform, several formats

Format	Why it fits	Status
Sublingual liquid	Thin, blood-rich tissue under the tongue. Skips the gut and the liver's first pass.	Most widely used today. Strongest evidence.
Nasal spray	Thin, absorbent nasal lining. Avoids the gut.	In market, for example the NAD+ Nasal Spray (Best 365 Labs).
Topical	Can be applied as a primer to prepare skin or scalp before a serum.	In development. Skin-absorption testing is next.
Swallowed oral	The same barrier biology applies in the gut, where most nutrients are absorbed.	In development. Sublingual data isn't applied to this route.

What this gives a commercial partner

- **Meaningful formulas in a 1 mL sublingual dose** instead of multi-capsule regimens. That means better compliance and lower cost per unit of active delivered.
- **Room-temperature shipping and storage** for compatible formulas, with no cold chain.
- **One platform** across sublingual liquids, sprays and topicals.
- **A patent-pending delivery position**, so the advantage isn't an ingredient list a competitor can copy off the label.

Where the evidence stands, plainly

The chemistry and the barrier-modulation approach are well grounded. Temporary barrier modulation is a strategy used across pharmaceutical oral delivery. Behind the platform are five years of formulation and testing work, 12-plus months of real-time stability, substantial tolerability experience in market, and a published retrospective case series on a combination product.

What we don't do is extrapolate. We don't apply sublingual data to delivery through the gut or one active's results to another, and we don't publish absorption multiples we haven't measured for that specific product and route. If your program needs comparative pharmacokinetics, ICH stability or compatibility work for your payload, that's a defined study package we can scope with you.

References

Warren SE. Mineral Oxide-Mediated Transient Mucosal Signaling as a Framework for Enhanced Nutrient and Peptide Bioavailability. Preprints.org, May 2026 (not peer-reviewed). <https://doi.org/10.20944/preprints202605.0231.v1>

Warren S. Changes in Serum Testosterone After Sublingual Enclomiphene Citrate Combined With a Mineral Oxide Delivery System: A Retrospective Case Series of 15 Men. Cureus, 2026. <https://pmc.ncbi.nlm.nih.gov/articles/PMC13189365/>
MODS Max platform overview: <https://www.modsmax.com> · Best 365 Labs: <https://best365labs.com/>

These statements have not been evaluated by the Food and Drug Administration. MODS Max is a delivery platform. Performance depends on the active and the formulation. Not intended to diagnose, treat, cure, or prevent any disease.