

Improving the absorption of natural ingredients.

WHO WE ARE: Folium Labs. A Montreal-based biotechnology company focusing on the development of novel drug and nutrient delivery platforms that provide a significantly improved bioavailability and targeted delivery of active ingredients.

OUR TECHNOLOGY: Solid State Reactive Mixing (SSRM) - proprietary process to create highly bioavailable, water-soluble molecular complexes. SSRM technology increases bioavailability of active ingredients by 4-10 times depending on the ingredient.

HOW IT WORKS: SSRM allows the creation of molecular complexes of active ingredients with natural biopolymers. The key biopolymer in SSRM is Hyaluronic Acid (HA), which has multiple applications in human biology.



**HYALURONIC ACID
AS A DELIVERY VEHICLE**



ACTIVE INGREDIENT



**HIGHLY ABSORBABLE
MOLECULAR COMPLEX
WITH FAST ONSET**

WHAT IT'S USED FOR: The complexes can be used in nutraceutical formulations, pharmaceuticals, cannabis products, functional foods and beverages. When purchasing a dietary supplement, consumers automatically assume that they will benefit from it, but this assumption is not always justified. The problem is that quite a few supplements contain limited or no bioavailable ingredients at all.

BETTER EFFICACY. SSRM will enable the same doses to exhibit a significantly better efficacy. At the same time, SSRM can enable the reduction of doses of active ingredients to maintain the same level of efficacy while lowering any side effects that may be associated with the ingredients. The SSRM technology significantly improves products with low bioavailability and poor absorption.

EXAMPLES OF INGREDIENTS WITH POOR BIOAVAILABILITY AND WHERE SSRM CAN BE UTILIZED:

There are dozens of ingredients that possess very potent therapeutic benefits but are poorly absorbed by our bodies.

CURCUMIN / MEDICINAL MUSHROOM / CANNABINOIDS

EASY SOLUTION. BETTER RESULTS.

TECHNOLOGY BENEFITS FOR CONSUMERS:

- ENHANCED ABSORPTION
- FAST ONSET
- TARGETED INGREDIENT DELIVERY

TECHNOLOGY BENEFITS FOR MANUFACTURERS:

- COST-EFFICIENT
- SCALABLE
- EASY TO INTEGRATE
- APPLIED TO ANY INGREDIENT
- APPLIED TO ANY PRODUCT FORMAT

Visit foliumlabs.ca for more information or partnership opportunities.