

# Custom Lipid Synthesis

## FROM MILLIGRAM TO GRAM QUANTITIES

Looking for custom synthesis of your particular lipid? Matreya's team of highly skilled chemists brings decades of experience to lipid chemistry. We specialize in the extraction, isolation, and purification of natural products and strive to achieve the best attainable purity using state-of-the-art techniques. Our in-house chemists perform the total synthesis of our catalog of glycerolipids and glycosphingolipids and also have synthetic capabilities in bioconjugate and stable isotopic labeling chemistry. We offer a wide range of custom products and make every effort to accommodate the needs of our customers. **Matreya is your research partner in complex, multi-step synthesis.**

### IN-HOUSE CHEMISTRY CAPABILITIES

- Multi-step synthetic chemistry
- Natural product chemistry
- Proprietary purity techniques
- Stable isotopic labeling
- TLC, HPLC, and mass spectrometry analysis
- Custom mixtures
- Mass spectrometry standards for disease biomarkers including lysosomal storage disorders

### COMPOUNDS WE REGULARLY SYNTHESIZE

- Triglycerides (symmetrical, mixed, and with DHA & EPA)
- Deuterated cholesterol derivatives
- Custom gangliosides
- Deuterium and <sup>13</sup>C-labeled fatty acid derivatives
- Vitamin E standards
- Fluorescent compounds
- PUFA mixtures
- Steryl glucosides/biodiesel standards
- Lyso-phosphatidic acids
- Synthetic phosphatidylcholines
- Quantitative fatty acid methyl ester (FAME) mixtures

### MATREYA GUARANTEE



**BEST ATTAINABLE PURITY USING PROPRIETARY TECHNIQUES**



**BATCH-TO-BATCH CONSISTENCY**



**DEDICATED TECHNICAL ASSISTANCE**



**COMPETITIVE PRICES**



**RAPID TURNAROUND**

*Let <sup>MJS</sup> BioLynx provide a competitive quote for your custom compound by sending your specifications to [tech@biolynx.ca](mailto:tech@biolynx.ca)*

Matreya, LLC can also provide solvent changes, custom concentrations, bulk quantities, and other specialty formulations and syntheses of their catalogue items.

|| [WWW.MATREYA.COM](http://WWW.MATREYA.COM)

*Available in Canada from...*

**MJS**  
**BioLynx**  
INC.

**1-888-593-5969 • [www.biolynx.ca](http://www.biolynx.ca) • [tech@biolynx.ca](mailto:tech@biolynx.ca)**

