

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 ¹³C-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 our experts provide a competitive quote for your custom compound by sending your specifications to **rdcustomsynthesis@matreya.com**

We can also provide solvent changes, custom concentrations, bulk quantities, and other specialty formulations and syntheses of our catalog items.