

Connecting Lipids, Technology, and Cellular Biology

Be Vigilant

Mass Spec Standards Construct Meaningful Spectra

Identifying the structure and/or determining the accurate concentration of each molecular species in Mass Spec-based research requires the use of well-defined internal standards. Whatever your application, Avanti has chemically pure synthetic lipid standards available for the precise quantization or identification of major lipid classes including: glycerolipids, glycerophospholipids, sphingolipids, and sterols.

- **Quantitative Standards:** Characterized and pre-packaged in unit containers at defined concentrations. A detailed Certificate of Analysis accompanies the standard, and the stability is monitored by our QC staff.
- **Qualitative Standards:** For general identification of lipids by Mass Spec analysis.



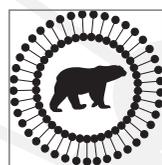
Avanti is the exclusive licensed manufacturer and supplier of LIPID MAPS Mass Spec Standards for lipid analysis.

Stay Curious

Lipid Binding Antibodies Improve Signaling & Disease Research

Studying the role of lipids as cofactors, agonists, or antagonists in cellular signaling events is increasingly moving to the forefront. Avanti's selection of monoclonal antibodies against bioactive lipids that detect the presence of these species or the downstream signals that they stimulate are the perfect addition to your basic signaling and disease research.

- **E06:** Discriminates between native LDL and OxLDL by binding to the phosphocholine headgroup of oxidized phospholipid that is present in OxLDL but is absent from native LDL.
- **WR304:** Can be used to probe the presence of PIP and PIP2.



New Antibodies

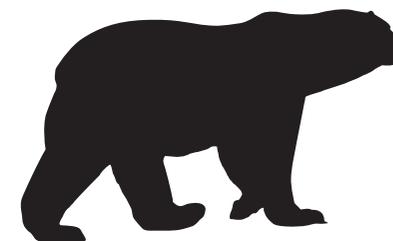
Coming Soon!

Think Big

Lipid Toolbox Build a Better Understanding of Lipid Functions

A Lipid Toolbox of integrated methodologies is essential in understanding the functional role of lipids in biological systems. Avanti's novel tools for probing protein-lipid interactions, enhanced systems for the cellular delivery of lipids, and robust assay kits are the perfect complement to your research!

- **Lipid Snoopers®:** Nitrocellulose Membranes or 8-well ELISA strips that are ideal for investigating protein-lipid interactions.
- **Huzzah®:** Improves the cellular delivery of lipid species through their conjugation with human serum albumin (HSA).
- **CerS Assay Kit:** Easy-to-use assay for measuring Ceramide Synthase (CerS) activity in biological samples.
- And Many Others at avantilipids.com!



Build Your Lipid Toolbox

Whether you are a seasoned lipid researcher or new to the field of lipid research, Avanti's Lipidomics Division is developing revolutionary tools to provide researchers with new approaches to answer fundamental questions about lipid structure and function and meet the practical demands of the lipid researcher.

- **Monoclonal Antibodies**
- **Lipid Snoopers®**
- **LIPID MAPS Mass Spec Standards**
- **Toolbox**

To find out more about how we may assist you with your lipid analysis needs, please contact us at:

✉ lipidomics@avantilipids.com

☎ (205) 663-2494

We look forward to working with you!



Research Products

Highest Purity Lipid Reagents

cGMP Manufacturing

API & Contract Manufacturing

Adjuvants

Immunotherapy & Vaccine Development

Analytical Services

Lipid Analysis

Lipidomics

Mass Spec Standards, Antibodies & Lipid Toolbox

Formulations

Liposomes & Nanoparticles

Equipment

Liposome Production Tools

Custom Services

Synthesis & Beyond

How may we help?

- Toll-Free USA/Canada (800) 227-0651
- Toll-Free USA/Canada (800) 229-1004
- Direct-Dial USA/International (205) 663-2494
- Direct-Dial Fax USA/International (205) 663-0756
- Orders: orders@avantilipids.com
- Inquiries: info@avantilipids.com
- Technical questions: technical@avantilipids.com



700 Industrial Park Drive
Alabaster, AL 35007-9105 U.S.A.
www.avantilipids.com



Lipidomics Division
Mass Spec Standards,
Antibodies & Lipid Toolbox



More than Lipids

Solutions for the entire product cycle:
research to commercialization.