

# AVANTI POLAR LIPIDS, INC.

## ANALYTICAL SERVICE DIVISION

## REFERENCE LABORATORY SERVICES



**Opening Soon**



## **Avanti's new 14,000 sq.ft. Analytical Laboratory & Quality Assurance Facility to serve your Analytical needs**

This new facility will contain:

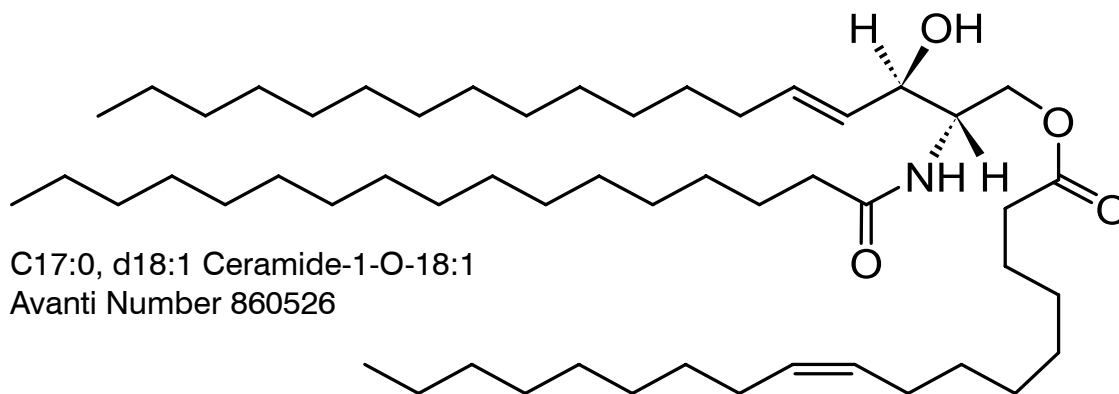
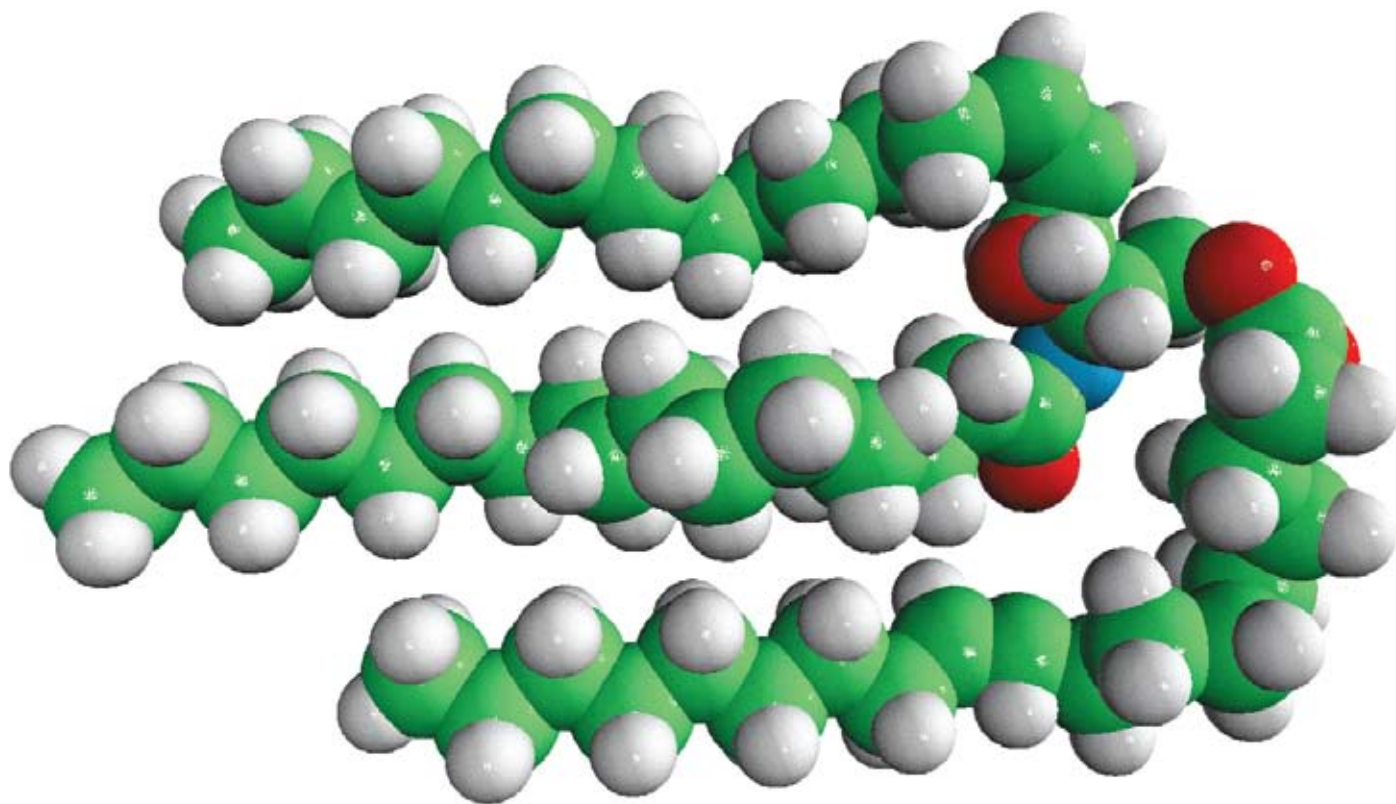
- Chromatography Suite
- Mass Spectrometry Suite
- NMR Suite
- Wet Laboratory to process clinical and biological samples for lipid analysis

**Avanti's team of Analytical Chemists will give you the winning edge!**

**AVANTI KNOWS LIPIDS!**

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# Avanti's New Enzymatic Reaction Product



C17:0, d18:1 Ceramide-1-O-18:1  
Avanti Number 860526

[Click here for  
Price and more  
information](#)

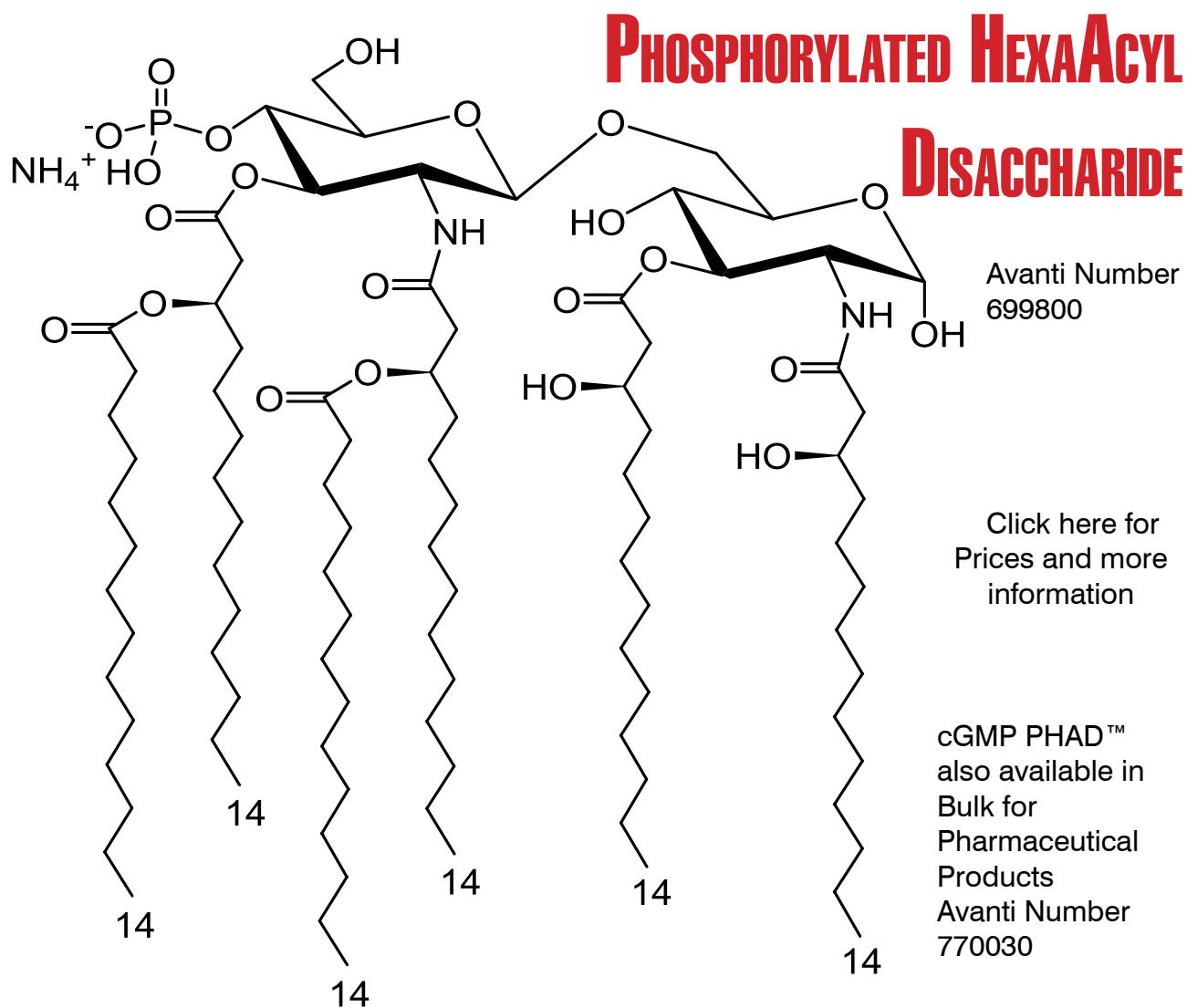
A novel lysosomal phospholipase A(2) (LPLA2) with specificity toward phosphatidylethanolamine and phosphatidylcholine was previously purified and cloned. LPLA2 transfers sn-1 or sn-2 acyl groups of phospholipids to the C1 hydroxyl of the short-chain ceramide N-acetylsphingosine (NAS) under acidic conditions.

Abe, A., M. Hiraoka, and J.A. Shayman. (2007). The acylation of lipophilic alcohols by lysosomal phospholipase A2. *J Lipid Res* 48:2255-63.

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# Avanti's New SYNTHETIC VACCINE ADJUVANT

## PHAD™



Vaccination is well-accepted as an effective method to prevent infections by mounting pathogen-specific immune responses prior to the infection. Usually, immunization with vaccine antigens alone is not able to induce robust or long-lasting immune responses — resulting in failure of protective immunity against infections. Thus, adjuvants are required to enhance cellular or humoral immune responses upon immunization. Because vaccine adjuvants using Lipid A have proven to be safe and effective in inducing Th-1 type immune responses to heterologous proteins in animal and human vaccines, we explored the use of Phosphorylated HexaAcyl Disaccharide (PHAD™) as a potential adjuvant.

Avanti's adjuvant PHAD™, a synthetic replacement for monophosphoryl Lipid A, is being used in several Preclinical Trials

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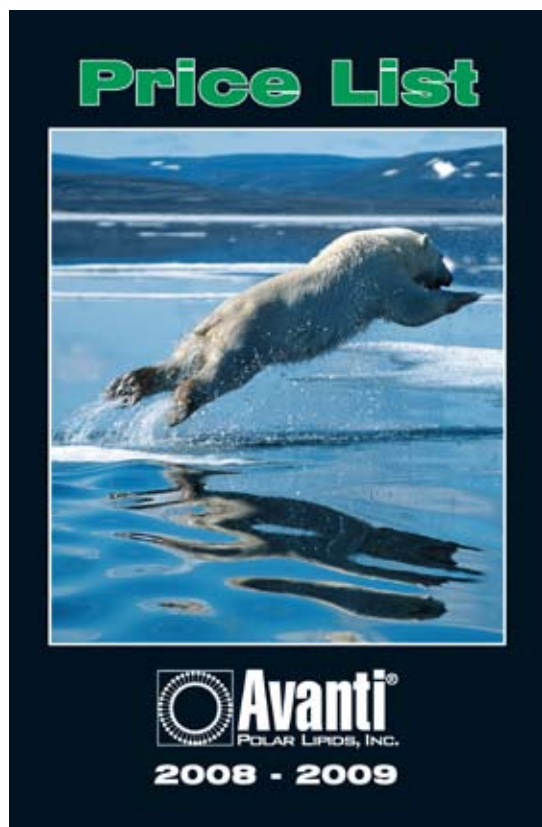
## New Products

As always the Avanti scientists have been hard at work developing many exciting new lipids.

For the latest list

## Spam Filter

To ensure that future Emails from Avanti aren't blocked by antis spam software, be sure to add [newsletter@avantilipids.com](mailto:newsletter@avantilipids.com) to your list of 'allowed senders and contacts'.



## 2008 Price List has been mailed

Listed clients received one at the end of January. If you did not receive your copy then please complete the request form

[Click here to request a Price List](#)

## The 2008 Catalogue

has been undated with an additional 328 pages.  
Now available to download

[Click here to download Catalogue](#)

## Avanti Road Show

- 33rd FEBS Congress & 11th IUBMB Conference  
[Avanti will be Attending](#)  
June 28 - July 3, Athens, Greece
- 35th Annual Meeting & Exposition of the Controlled Release Society  
[Avanti will be Exhibiting](#)  
July 12 - 16, New York, NY

- 11th Liposome Research Days Conference

[Avanti will be Exhibiting](#)

July 19 - 22, Yokohama, JAPAN

