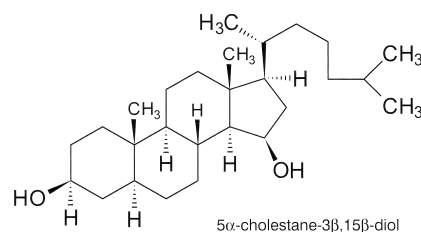
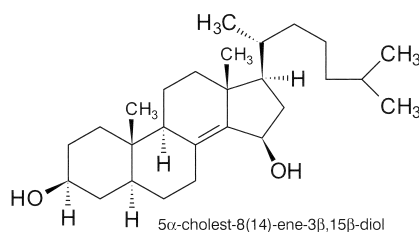
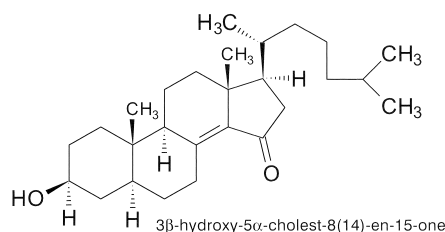


15-Oxygenated Sterols - another first from Avanti

Avanti announces six different Sterols, now in stock. These new synthetic compounds demonstrate the amazing purity and exceptional value that the world's top researchers expect from Avanti.



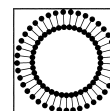
Addition of cholesterol to cultured cells commonly results in inhibition of sterol biosynthesis. This effect was originally attributed to feedback inhibition. Later, Kandutsch and Chen,^{1,2} using highly purified cholesterol, demonstrated that the inhibition was caused not by cholesterol itself but rather by trace levels of oxysterols present as contaminants in most cholesterol preparations. Representative oxysterol contaminants were shown to be potent inhibitors of sterol biosynthesis and to lower 3-hydroxy-3-methylglutarylcoenzyme A (HMG-CoA) reductase activity in cultured mammalian cells.^{1,2,3} This work has engendered a large body of research aimed at defining the role of oxysterols as regulators in a variety of cellular processes.³

1. Kandutsch, A.A. and Chen, H.W. (1973). Inhibition of sterol synthesis in cultured mouse cells by 7α-hydroxycholesterol, 7β-hydroxycholesterol and 7-ketocholesterol. *J. Biol. Chem.* 248: 8408-8417.

2. Kandutsch, A.A. and Chen, H.W. (1976). Biological activities of some oxygenated sterols. *Science* 201: 498-501.

3. Schroepfer, G.J., Jr. (2000). Oxysterols: modulators of cholesterol metabolism and other processes. *Physiol. Rev.* 80: 361-554.

Phone 800-227-0651 (205-663-2494 International) or Email info@avantilipids.com
for a current catalog, specify CD or printed edition - or download from our web site.



Avanti®
 POLAR LIPIDS, INC.

EXPLORE THE WONDERFUL WORLD OF LIPIDS AT AVANTILIPIDS.COM

Circle No. 2 for more information

THE JOURNAL OF EXPERIMENTAL MEDICINE

2002 Subscription Rates

Student within US/Canada

\$87.50 - Print
 \$30.00 - Online
 \$117.50 - Print + Online

Non-student individual within US/Canada

\$175.00 - Print
 \$60.00 - Online
 \$235.00 - Print + Online

Student outside US/Canada*

\$257.50 - Print
 \$30.00 - Online
 \$287.50 - Print + Online

Non-student individual outside US/Canada*

\$345.00 - Print
 \$60.00 - Online
 \$405.00 - Print + Online

*Prices include air postage

Please Note: Print subscriptions begin with the next current issue and last for 24 issues. Access to online subscriptions begins as soon as payment is processed and lasts for a 12-month period.

For more information visit <http://www.jem.org/subscriptions/>