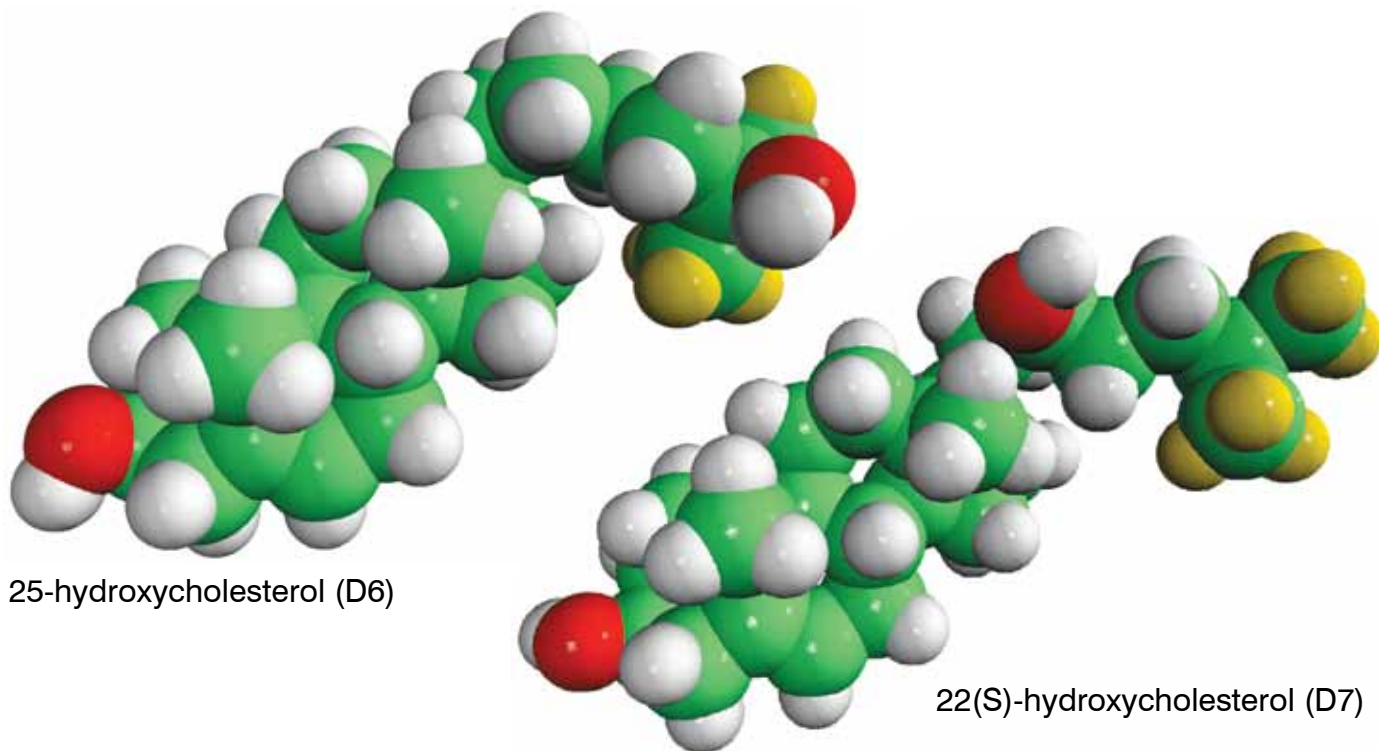
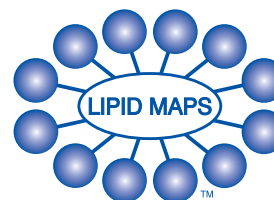


LIPID MAPS Mass Spectrometry Internal Standards for Sterols



Standard	Avanti Number
19:0 Cholesterol ester	LM-4000
Cholesterol (D7)	LM-4100
25-hydroxycholesterol (D3)	LM-4101
4 β hydroxycholesterol (D7)	LM-4102
7 α -hydroxycholesterol (D7)	LM-4103
7 β -hydroxycholesterol (D7)	LM-4104
5 α ,6 α -epoxycholestanol (D7)	LM-4105
6 α -hydroxy-5 α -cholestanol (D7)	LM-4106
7-ketocholesterol (D7)	LM-4107
Desmosterol (D6)	LM-4108
24(R/S),25-epoxycholesterol (D6)	LM-4109
24(R/S)-hydroxycholesterol (D6)	LM-4110
22(R)-hydroxycholesterol (D7)	LM-4111
22(S)-hydroxycholesterol (D7)	LM-4112
25-hydroxycholesterol (D6)	LM-4113
27-hydroxycholesterol (D6)	LM-4114

MS Internal Standards were formulated using unique molecules designed by Avanti Polar Lipids and the LIPID MAPS Consortium. Avanti is proud to supply these **Quantitative MS Internal Standards to LIPID MAPS, and they are now available to the research community.**



www.lipidmaps.org

continued overleaf

LIPID MAPS MS Internal Standards

Sterols

QUALITATIVE STANDARDS

Standard	Avanti Number
Cholesterol (Ovine wool)	110796
Cholesterol (Plant)	110797
Desmosterol	110798
Lanosterol	110799
Lathosterol	110800
Stigmasterol	110801
Zymosterol	110802
4 β hydroxycholesterol	110803
5 α ,6 α -epoxycholestanol	110804
5 β ,6 β -epoxycholestanol	110805
7-ketcholesterol	110806
7-oxochol (D7)	110527
7 dehydroxycholesterol	110807
7 α -hydroxycholesterol	110808
7 β -hydroxycholesterol	110809
6 α -hydroxy-5 α -cholestanol	110810
22(R)-hydroxycholesterol	110811
22(S)-hydroxycholesterol	110813

Standard	Avanti Number
24(R)-hydroxycholesterol	110881
24(S)-hydroxycholesterol	110815
24(S)-hydroxycholesterol (D6)	110589
25-hydroxycholesterol	110816
27-hydroxycholesterol	110818
24(R/S),25-epoxycholesterol	110820
24(S),25-epoxycholesterol	110821
3 β ,27-dihydroxy-5-cholesten-7-one	110822
7 α ,27-dihydroxy-4-cholesten-3-one	110823
7 α ,27-dihydroxycholesterol	110824
24-dihydrolanosterol	110825
Dehydroergosterol	110826
cholestanol	110828
cholestenone	110829
3 β -hydroxy-7-oxo-5-cholestenoic acid	110846
7 α -hydroxy-3-oxo-4-cholestenoic acid	110847
3 β ,7 α -dihydroxy-5-cholestenoic acid	110848
3 β ,7 β -dihydroxy-5-cholestenoic acid	110849

Also Available:

A defined endotoxin that activates macrophages via TLR-4:

KDO₂ LIPID A

Quantitative standards:

PRENOLS

Qualitative standards:

FATTY ACYL CoA DERIVATIVES & FATTY ACYL SERINES

For information about procedures and guidance in the application of these Lipid Standards visit:
www.lipidmaps.org/downloads/2007_methods_chapters.pdf

Other Standards also available.
Visit avantilipids.com for more
details and ordering information.

