

**Table 2.4 Fatty Acid Composition of Lipids from Human Abdomen Stratum Corneum (mol%)**

C no.	Free fatty acids	Sterol/wax esters	Ceramides
14:0	3.8		
16:0	36.8	20.0	7.7
16:1	3.6	15.9	
18:0	9.9	5.8	4.8
18:1	33.1	49.4	6.3
18:2	12.5	6.6	14.0
20:0	0.3		
20:1	Trace		
20:2			
20:3			
20:4			
22:0	Trace		
22:1			
22:0		0.9	50.8
24:1		1.6	
26:0			10.5
Total	100.0	100.2	100.0

Source: Modified from Ref. 28.

**Table 2.5 Evidence for Role of Sphingolipids in Barrier**

Carriers of extremely long-chain, saturated fatty acids

Replacement of long-chain by short-chain fatty acids in marine mammals

Principal repositories of linoleic acid (essential fatty acid deficiency)

Removal required to completely break the barrier