Table 1 **Elastic area expansion modulus for several lipid and lipid/cholesterol systems.[1,8,10,21] Also shown are areas per lipid molecule that demonstrate the condensing effect of cholesterol.[8]**

| Lipids | Elastic Area Expansion Modulus, K (dyn/cm) | Area per Molecule, $A_m$ (Å$^2$) |
|---|---|---|
| DAPC[1,8] | 57–135 | 80 |
| DAPC/CHOL (50 mol%)[8] | 102 | 58.5 |
| DMPC[21] | 140 | 62 |
| SOPC[8] | 193 | 65 |
| SOPC/CHOL (mol%)[8] | | |
| 14 | 216 | 59.1 |
| 28 | 244 | 53.2 |
| 38 | 333 | 49.0 |
| 43 | 589 | 46.9 |
| 48 | 710 | 44.8 |
| 50 | 781 | 44.0 |
| 53 | 907 | 42.7 |
| 58 | 1207 | 41.9 |
| BSM/CHOL (50 mol%)[8] | 1718 | |
| SM/CHOL (50 mol%)[10] | 1799 | |
| 22:12 PC/CHOL (50 mol%)[10] | 1721 | |
| DLPC/CHOL (50 mol%) | 1200 | |
| DMPC/CHOL (50 mol%) | 2575 | |
| DPPC/CHOL (50 mol%) | 2235 | |
| DSPC/CHOL (50 mol%) | 3278 | |
| DArPC/CHOL (50 mol%) | 4269 | |

*Abbreviations:* PC, phosphatidylcholine; CHOL, cholesterol; DAPC, diarachidonylphosphatidylcholine; DMPC, dimyristoylphosphatidylcholine; SOPC, stearoyloleoylphosphatidylcholine; BSM, bovine sphingomyelin; SM, synthetic sphingomyelin; DLPC, dilauroylphosphatidylcholine; DPPC, dipalmitoylphosphatidylcholine; DSPC, distearoylphosphatidylcholine; DArPC, diarachidoylphosphatidylcholine.


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