Bilayer Model Parameters

Table : Fixed model parameters for a DOPC lipid bilayer

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| --- | --- | --- |
| Variable | Description | Value |
| double va1 | Volume acyl chains, lipid 1 | 972.00 Å3 |
| double na1 | SL acyl chains, lipid 1 | 7.8167E-06 Å-2\*972Å3=0.00760 Å |
| double vm1 | Volume methyl groups, lipid 1 | 98 Å3 |
| double nm1 | SL methyl groups, lipid 1 | 4.7785E-06 Å-2\*98Å3= 0.000468 Å |
| double vh1 | Headgroup volume, lipid 1 | 331.00 Å3 |
| double nh1 | SL headgroup, lipid 1 | 1.3942E-05 Å-2\*331Å3=0.00461 Å |
| double lh1 | Length headgroup, lipid 1 | 9.56 Å |
| double va2 | Volume acyl chains, lipid 2 | 0 |
| double na2 | SL acyl chains, lipid 2 | 0 |
| double vm2 | Volume methyl groups, lipid 2 | 0 |
| double nm2 | SL methyl groups, lipid 2 | 0 |
| double vh2 | Headgroup volume, lipid 2 | 0 |
| double nh2 | SL headgroup, lipid 2 | 0 |
| double lh2 | Length headgroup, lipid 2 | 0 |
| double va3 | Volume acyl chains, lipid 3 | 0 |
| double na3 | SL acyl chains, lipid 3 | 0 |
| double vm3 | Volume methyl groups, lipid 3 | 0 |
| double nm3 | SL methyl groups, lipid 3 | 0 |
| double vh3 | Headgroup volume, lipid 3 | 0 |
| double nh3 | SL headgroup, lipid 3 | 0 |
| double lh3 | Length headgroup, lipid 3 | 0 |
| double vc | Volume cholesterol | 0 |
| double nc | SL cholesterol | 0 |