VTat = 1876.6 Å3

# of electrons per Tat = 838

**DOPC**

Vlipid = 1313.5 Å3

|  |  |  |  |
| --- | --- | --- | --- |
| Lipid:Tat | D (Å) | Vpeptide (Å3) | Number of e- |
| control | 64.4 | NA | NA |
| 61.6:1 | 66.2 | 30.5 | 13.6 |
| 28.4:1 | 68.4 | 66.1 | 29.5 |
| 15.8:1 | 65.6 | 118.8 | 53.0 |

**DOPC/DOPE (3:1)**

Vlipid = 1288.2 Å3

|  |  |  |  |
| --- | --- | --- | --- |
| Lipid:Tat | D (Å) | Vpeptide (Å3) | Number of e- |
| control | 63.8 | NA | NA |
| 61.6:1 | 66.7 | 30.5 | 13.6 |
| 28.4:1 | 66.0 | 66.1 | 29.5 |
| 15.8:1 | 69.2 | 118.8 | 53.0 |

**DOPC/DOPE (1:1)**

Vlipid = 1262.9 Å3

|  |  |  |  |
| --- | --- | --- | --- |
| Lipid:Tat | D (Å) | Vpeptide (Å3) | Number of e- |
| control | 63.8 | NA | NA |
| 113.7:1 | 63.6 | 16.5 | 7.4 |
| 61.6:1 | 64.8 | 30.5 | 13.6 |
| 28.4:1 | 64.8 | 66.1 | 29.5 |
| 15.8:1 | 65.0 | 118.8 | 53.0 |

**DOPC/DOPS (3:1)**

Vlipid = 1298 Å3

|  |  |  |  |
| --- | --- | --- | --- |
| Lipid:Tat | D (Å) | Vpeptide (Å3) | Number of e- |
| control |  | NA | NA |
| 227.4:1 |  | 8.3 | 3.7 |
| 113.7:1 | 57.9 | 16.5 | 7.4 |
| 61.6:1 | 58.2 |  |  |
| 28.4:1 | 57.2 |  |  |

**Nuclear**

Vlipid = 1104 Å3

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |