

A continuum method for determining membrane protein insertion energies and the problem of charged residues

Seungho Choe, Karen A. Hecht, and Michael Grabe
Volume 131, No. 6, June 2, 2008. Pages 563–573.

In the original article, the references in Table I were set incorrectly. The correct Table I is shown below.

TABLE I
Parameter Values Used in All Calculations

Parameter	Symbol	Value	Reference
Water dielectric	ϵ_w	80	Sitkoff et al., 1994
Protein dielectric	ϵ_p	2	Sitkoff et al., 1994
Membrane core dielectric	ϵ_{hc}	2	Stern et al., 2003
Lipid head group dielectric	ϵ_{hg}	80	Stern et al., 2003
Equilibrium membrane width	L_0	42 Å	Huang et al., 1986
Head group width	L_{hg}	8 Å	Helm et al., 1987
Ion screening concentration	I_c	100 mM	Grabe et al., 2004
Bulk interfacial surface tension	α	3×10^{-13} N/Å	Nielsen et al., 1998
Area compression-expansion modulus	K_a	1.425×10^{-11} N/Å	Nielsen et al., 1998
Bending or splay-distortion modulus	K_c	2.85×10^{-10} NÅ	Nielsen et al., 1998
α/K_c	γ	1.05×10^{-3} Å ⁻²	Nielsen et al., 1998
$2 K_a / (L_0^2 \cdot K_c)$	β	5.66×10^{-5} Å ⁻⁴	Nielsen et al., 1998
SASA prefactor for nonpolar energy	a	0.028 kcal/mol·Å ²	Sitkoff et al., 1996
Constant term for nonpolar energy	b	-1.7 kcal/mol	Sitkoff et al., 1996