

New Journal of Chemistry

An Improved Quantum Biochemistry Description of the Glutamate-GluA2 Receptor Binding within an Inhomogeneous Dielectric Function Framework

A. C. V. Martins, P. De Lima-Neto, E. W. S. Caetano and V. N. Freire

Table S1. Data used to calculate the $\varepsilon(R)$.

Residue	Volume	Average ε
Ala	86,4	15,73
Cys	107,9	10,95
Asp	108,6	20,73
Glu	128,7	21,01
Phe	187,3	11,07
Gly	57,8	18,71
His	150,1	17,30
Ile	164,6	11,01
Lys	166,2	25,67
Leu	164,6	11,80
Met	160,9	15,56
Asn	115,6	19,78
Pro	120,6	20,23
Gln	142,0	20,62
Arg	197,4	21,80
Ser	86,2	18,82
Thr	113,6	17,75
Val	136,8	11,69
Trp	225,0	11,91
Tyr	190,5	12,87
Water	30,01	78,54
Ligand	125,45	-