

## ADDITIONS AND CORRECTIONS

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### Partition and distribution coefficients of solutes and drugs in brush border membrane vesicles

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Page 1777, Table 2 and page 1778, Figure 1. Some of the values reported in this Table and graphed in the Figure are wrong. The Table and Figure should be as follows.

Table 2. Log P values for a series of non-ionizable solutes

Solute	Log P value		
	BBMV	Octanol	PGDP
Benzamide	0.21 ± 0.11 (8)	0.64	−0.36
Benzenesulphonamide	0.82 ± 0.04 (11)	0.31	−0.03
Methylphenylsulphone	0.88 ± 0.14 (9)	0.55	−0.41
Hydrochlorthiazide	0.91 ± 0.41 (8)	−0.1	−0.86
Methylphenylsulphoxide	0.98 ± 0.05 (14)	0.5	0.47
Aniline	1.04 ± 0.14 (14)	0.9	0.95
Phenylurea	1.04 ± 0.10 (11)	0.83	−0.55
Phenyl benzamide	1.05 ± 0.10 (11)	2.62	2.38
Phenol	1.32 ± 0.11 (10)	1.46	1.17
Dimethylphenylsulphonamide	1.60 ± 0.08 (14)	1.35	1.48
Nitrobenzene	1.71 ± 0.16 (28)	1.85	2.16
Acetophenone	1.76 ± 0.07 (9)	1.58	1.63
Benzonitrile	1.81 ± 0.10 (13)	1.56	1.66
Benzylaldehyde	1.90 ± 0.05 (16)	1.48	1.57
Methyl-2-naphthylsulphone	1.91 ± 0.04 (10)	1.74	2.00
2-Naphthylamide	1.99 ± 0.08 (12)	1.88	1.04
2-Naphthylsulphonamide	2.01 ± 0.13 (20)	1.55	1.34
Anisole	2.10 ± 0.12 (15)	2.11	2.41
Methylbenzoate	2.20 ± 0.08 (18)	2.12	2.32
Triphenylphosphineoxide	2.21 ± 0.08 (14)	2.83	1.66
3-(2-Naphthoxy)-propylmethylsulphoxide	2.60 ± 0.09 (16)	2.42	2.58
Chrysene	2.60 ± 0.18 (12)	5.5	6.62
Fluoranthrene	2.61 ± 0.10 (7)	5.0	—
Toluene*	2.71 ± 0.25 (6)	2.69	2.89
Phenanthrene	2.75 ± 0.25 (13)	4.46	5.26
Naphthalene	2.78 ± 0.12 (12)	3.37	3.56
4-Chloro-1-naphthol	2.88 ± 0.11 (12)	3.94	3.22
1,2,5,6-Ibenzanthracene	3.09 ± 0.28 (15)	6.6	6.8
2-Methylanthracene	3.75 ± 0.22 (8)	5.0	5.22

BBMV values are means ± SEM for (N) determinations.

\* Data from Ref. 1.

BBMV data were determined by HPLC determination of supernatant depletion as described in Materials and Methods. Solvent data (octanol and PGDP) were determined with the shake-flask method (see Materials and Methods).

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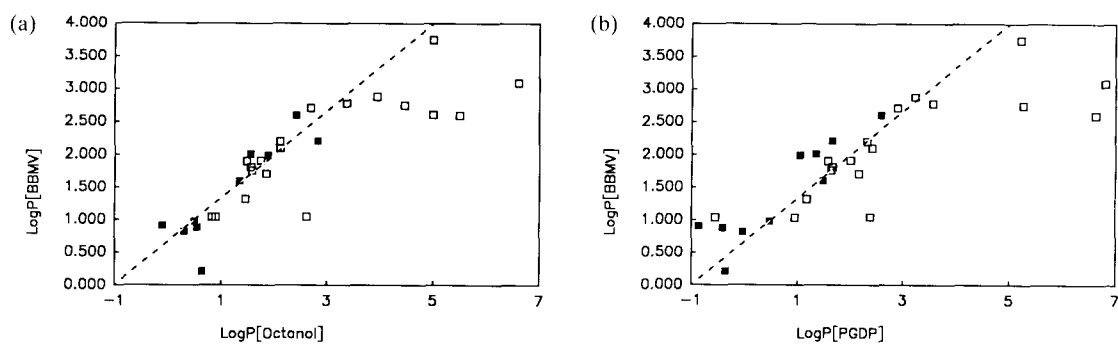


Fig. 1. Partition coefficients in BBMV's and model solvents for a range of solutes. Log P values for 29 solutes were determined in BBMV's, octanol and PGDP by the techniques described in Materials and Methods. BBMV log P value is plotted against (a) log P[OCT] and (b) log P[PGDP]. The lines were obtained by linear regression of data for log P[OCT] of log P[PGDP] < 3.0. Strong proton acceptors are shown as solid squares.