

Table S2. Physiological parameters of blood volume, tissue volumes, hematocrit value, and blood flows

Parameter(unit)	value	Reference
V_{blood} (L)	5.20	1
V_{HC} (L)	1.22	1, 2
V_{EH} (L)	0.469	1, 2
V_{muscle} (L)	35.0	1
V_{skin} (L)	7.80	1
V_{adipose} (L)	10.0	1
V_{r} (L)	0.28	1
H_{t}	0.44	1
Q_{h} (L/h)	87.0	1
Q_{muscle} (L/h)	45.0	1
Q_{skin} (L/h)	18.0	1
Q_{adipose} (L/h)	15.6	1

V_{blood} , blood volume; V_{HC} , hepatocyte volume; V_{EH} , extrahepatic volume; V_{muscle} , muscle volume; V_{skin} , skin volume; V_{adipose} , adipose volume; V_{renal} , kidney volume; H_{t} , hematocrit value; Q_{h} , liver blood flow rate; Q_{muscle} , muscle blood flow rate; Q_{skin} , skin blood flow rate; Q_{adipose} , adipose blood flow rate.

Reference for Table S2

1. Davies B., Morris T. Physiological parameters in laboratory animals and humans. *Pharm. Res.* **10**, 1093-1095 (1993).
2. Kawai R., Mathew D., Tanaka C., Rowland M.. Physiologically based pharmacokinetics of cyclosporine A: extension to tissue distribution kinetics in rats and scale-up to human. *J Pharmacol Exp Ther.* **287**, 457-68 (1998).