Table 3.48 Glucosamine effect on propranolol AUC, C_{max}, and other pharmacokinetic parameters after an oral dose of 20 mg/kg PRN, PRN with GlcN 100 or PRN with GlcN 200 mg/kg in rats. The data are presented as mean ± SEM (n=7).

Treatment	AUC (ng/ml*h)	C_{max} (ng/ml)	AUMC (ng/mL*h^2)	MRT (h)	$t_{0.5}$ (h)	Kel (1/h)	% change in AUC of PRN	% change in C_{max} of PRN
PRN (20 mg/kg)	1539.92 ± 98.89	593.35 ± 45.42	4171.57 ± 387.35	2.69 ± 0.15	1.84 ± 0.16	0.40 ± 0.04	100%	100%
PRN with GlcN (100 mg/kg)	1427.39 ± 170.32	615.07 ± 62.98	4096.52 ± 775.53	2.73 ± 0.30	2.44 ± 0.44	0.34 ± 0.07	93%	104%
PRN with GlcN (200 mg/kg)	880.79 ± 122.66**	393.77 ± 36.82*	2374.64 ± 498.52	2.54 ± 0.30	1.92 ± 0.26	0.41 ± 0.07	57%	66%

*, p<0.05 and **, p<0.01

Table 3.49 Cimetidine and rifampin effect on propranolol AUC, C_{max}, and other pharmacokinetic parameters after an oral dose of 20 mg/kg of propranolol, propranolol with 5 and 9 mg/kg of cimetidine and rifampin, respectively in rats. The data are presented as mean ± SEM (n=5).

Treatment	AUC (ng/ml*h)	C_{max} (ng/ml)	AUMC (ng/mL*h^2)	MRT (h)	$t_{0.5}$ (h)	Kel (1/h)	% change in AUC of PRN	% change in C_{max} of PRN
PRN (20 mg/kg)	1539.92 ± 98.89	593.35 ± 45.42	4171.57 ± 387.35	2.69 ± 0.15	1.84 ± 0.16	0.40 ± 0.04	100%	100%
PRN with cimetidine (5 mg/kg)	1853.73 ± 151.19	1105.17 ± 157.70**	4586.12 ± 302.71	2.49 ± 0.05	2.42 ± 0.14	0.29 ± 0.02	120%	186%
PRN with rifampin (9 mg/kg)	1323.52 ± 32.63	663.72 ± 14.29	4594.33 ± 409.48	3.46 ± 0.25*	2.82 ± 0.24*	0.25 ± 0.02*	86%	112%

*, p<0.05 and **, p<0.01