

**Supplementary Table 1.** Pharmacokinetic parameters of SKA-346 in BALB/c mice blood plasma samples following 24 h post *i.p.* single dose administration

Parameters	Units	Estimate
N_Samples		7
Dose	mg	30
Rsq		0.9990666
Rsq_adjusted		0.99813321
Corr_XY		-0.99953319
No_points_lambda_z		3
Lambda_z	1/h	0.24422251
Lambda_z_intercept		9.3659546
Lambda_z_lower	h	4
Lambda_z_upper	h	24
HL_Lambda_z (t1/2)	h	2.838179
Span		7.046772
Tlag	h	0
Tmax	h	0.25
Cmax	ng/ml	6295.4
Cmax_D	kg*ng/ml/mg	209.8466
Tlast	h	24
Clast	ng/ml	32.7
Clast_pred	ng/ml	33.268614
AUClast	h*ng/ml	45487.063
AUClast_D	h*kg*ng/ml/mg	1516.2354
AUCall	h*ng/ml	45487.063
AUCINF_obs	h*ng/ml	45620.957
AUCINF_D_obs	h*kg*ng/ml/mg	1520.6986
AUC_%Extrap_obs	%	0.29349295
Vz_F_obs	ml/kg	2692.5959
Cl_F_obs	ml/h/kg	657.59252
AUCINF_pred	h*ng/ml	45623.285
AUCINF_D_pred	h*kg*ng/ml/mg	1520.7762
AUC_%Extrap_pred	%	0.29858121
Vz_F_pred	ml/kg	2692.4585
Cl_F_pred	ml/h/kg	657.55896
AUMClast	h*h*ng/ml	219263.62
AUMCINF_obs	h*h*ng/ml	223025.33
AUMC_%Extrap_obs	%	1.686674
AUMCINF_pred	h*h*ng/ml	223090.74
AUMC_%Extrap_pred	%	1.7155001
MRTlast	h	4.8203513
MRTINF_obs	h	4.8886596
MRTINF_pred	h	4.8898439