

Supporting Information

Table 1 2-Compartment Analysis of Sulforaphane-GSH in Rat Plasma

Table 2 2-Compartment Analysis of Sulforaphane-NAC in Rat Plasma

Parameter	Unit	Value	%CV
AUC 0-24 (Obs)	ng*h/mL	2257.3	
AUC 0-24 (Calc)	ng*h/mL	2554.3	
AUC 0-inf (Obs)	ng*h/mL	3344	
AUC 0-inf (Calc)	ng*h/mL	2677.3	
CL	L/h	2.742	41.14%
Vc	L	1.601	73.45%
CL2	L/h	1.602	104.28%
V2	L	11.85	121.62%
CL/Kg	L/h/Kg	9.140	41.14%
Vc/Kg	L/Kg	5.338	73.45%
CL2/Kg	L/h/kg	5.341	104.28%
V2/Kg	L/kg	39.49	121.62%
K10	1/h	1.712	84.19%
K12	1/h	1.001	127.55%
K21	1/h	0.135	160.21%
Cmax	µg/mL/mg Dose	0.454	
t1/2	h	8.274	
R ²		0.8422	
Akaike Information Criterion (AIC)		-20.55	

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AUC 0-24 (Obs)	ng*h/mL	2257.3	
AUC 0-24 (Calc)	ng*h/mL	2554.3	
AUC 0-inf (Obs)	ng*h/mL	3344	
AUC 0-inf (Calc)	ng*h/mL	2677.3	
CL	L/h	2.877	38.91%
Vc	L	1.955	70.63%
CL2	L/h	1.536	110.38%
V2	L	7.988	92.57%
CL/Kg	L/h/Kg	9.590	38.91%
Vc/Kg	L/Kg	6.517	70.63%
CL2/Kg	L/h/kg	5.119	110.38%
V2/Kg	L/kg	26.63	92.57%
K10	1/h	1.472	80.64%
K12	1/h	0.786	131.04%
K21	1/h	0.192	144.06%
Cmax	μg/mL/mg Dose	0.391	
t1/2	h	5.703	
R^2		0.7916	
Akaike Information Criterion (AIC)		-21.48	