

Experiment Number: S0312
Route: IV
Species/Strain: Rat/Fischer 344

Toxicokinetics Data Summary
Test Compound: Salicylazosulfapyridine
CAS Number: 599-79-1

Date Report Requested: 01/20/2017
Time Report Requested: 12:48:41
Lab: University of Arizona

Male

Treatment Groups (mg/kg)

5 IV

Plasma

$t_{1/2}$ (hour)	0.528 ± 0.105
Cl (L/hr*kg)	0.65 ± 0.08
V_1 (L/kg)	0.48 ± 0.099
MRT (hour)	0.35 ± 0.02
AUC _{inf} (uM*hr)	20.32 ± 2.78

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LEGEND

Data are displayed as mean \pm SEM

MODELING METHOD & BEST FIT MODEL

Unknown. Data were computed from the plasma concentration-time curves where each point represents the mean of 4 mice; first-order kinetics, Following iv injection, plasma clearance of SASP was consistent with a two compartment model

ANALYTE

Salicylazosulfapyridine

TK PARAMETERS

$t_{1/2}$ = λ_z half-life, $t_{1/2}$, the terminal elimination half-life based on non-compartmental analysis

Cl = Clearance, includes total clearance

V_1 = Volume of distribution of the central compartment, includes V_d and V_{volume} of distribution, V_z apparent volume of distribution NCA, V_{app} apparent volume of distribution for intravenous studies

MRT = Mean residence time

AUC_{inf} = Area under the plasma concentration versus time curve, AUC, extrapolated to time equals infinity

**** END OF REPORT ****