

Experiment Number: S0305_1

Route: Gavage

Species/Strain: Mouse/CD-1

Toxicokinetics Data Summary

Test Compound: AZT + Methadone HCl (AIDS)

CAS Number: AZTMETHCOMB

Date Report Requested: 01/11/2017

Time Report Requested: 12:22:50

Lab: Research Triangle Institute

Female

Treatment Groups (mg/kg)

400/15 ^{a, #}

400/15 ^{b, *}

Plasma

C _{max}	220 ug/mL	5.44 percent of dose*g/mL
T _{max} (minute)	20	15
k ₁₀ (minute ⁻¹)		0.0044
t _{1/2(k10)} (minute)	130.9	158.4
AUC _{0-t} (percent of dose*g*min/mL)	6375	339.3
F (percent of intravenous)	167	37

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LEGEND

Data are displayed as mean values

MODELING METHOD & BEST FIT MODEL

^a ADAPT II (a pharmacokinetic modeling package) was used to perform the nonlinear curve fitting; information missing

^b ADAPT II (a pharmacokinetic modeling package) was used to perform the nonlinear curve fitting; one compartment model

ANALYTE

3'-Azido-3'-deoxythymidine (AIDS)

* Methadone hydrochloride

TK PARAMETERS

C_{max} = Observed or Predicted Maximum plasma (or tissue) concentration

T_{max} = Time at which C_{max} predicted or observed occurs

k_{10} = Elimination rate constant from the central compartment also k_e or k_{elim}

$t_{1/2(k_{10})}$ = Half-life for the elimination process from the central compartment

AUC_{0-t} = Area under the plasma concentration versus time curve, AUC, from time t_i (initial) to t_f (final), AUC_{last}

F = Bioavailability, absolute bioavailability

**** END OF REPORT ****