

**Experiment Number:** S0874  
**Route:** Gavage, IV  
**Species/Strain:** Mouse/CD-1

**Toxicokinetics Data Summary**  
**Test Compound:** 3'-Azido-3'-deoxythymidine  
**CAS Number:** 30516-87-1

**Date Report Requested:** 12/02/2016  
**Time Report Requested:** 10:46:25  
**Lab:** Research Triangle Institute

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<b>Female</b>									
<b>Treatment Groups (mg/kg)</b>									
	<b>50 #</b>	<b>100 #</b>	<b>200 #</b>	<b>300 #</b>	<b>50 IV #</b>	<b>100 IV #</b>	<b>50 #</b>	<b>50 *</b>	<b>100 *</b>
	<b>Fetal litter</b>						<b>Plasma</b>		
$C_{max}$ (ug/mL)	11.4	23.2	50.5	75.9	31.4	53.3	20.8	0.26	0.48
$T_{max}$ (minute)	30.0	30.0	60.0	20.0	15.0	15.0	5.0	30.0	20.0
Cl (mL/min)									
$V_1$ (mL)									
MRT (minute)	314.0	288.0	267.0	297.0	129.0	104.0	272.0	408.0	323.0
$AUC_{inf}$ (ug*min/mL)	3966.0	5130.0	11139.0	17891.0	4316.0	5543.0	4029.0	102.0	120.0
F (fraction)							1.16		

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM

#### MODELING METHOD & BEST FIT MODEL

WinNonlin (Version 1.0 SCI Software, Apex, NC) or Microsoft Excel 2000 v9.0.6926 (Microsoft Corp., Redmond, WA); Non-compartmental model Mean AZT and GAZT plasma concentration vs. time data were analyzed using noncompartmental modeling techniques (Models 200 and 201, WinNonlin).

#### ANALYTE

# 3'-Azido-3'-deoxythymidine

\* 3'-Azido-3'-deoxythymidine beta-D-glucuronide, sodium salt

#### TK PARAMETERS

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

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

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

F = Bioavailability, absolute bioavailability

**\*\* END OF REPORT \*\***