

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of
20 mg/kg [¹⁴C] N-Butylbenzenesulfonamide to Female Mice – Group 13**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	13_01	13_02	13_03	13_04	Mean	SD
Urine	0 to 8	N.S.	N.S.	8.92	BLOQ	8.92	-
Urine	8 to 24	10.9	8.94	6.86	31.6	14.6	11.5
Urine	24 to 48	0.70	1.51	0.88	1.93	1.26	0.57
Urine	48 to 72 ^a	0.13	1.08	0.31	0.47	0.50	0.41
-	Subtotal	11.7	11.5	17.0	34.0	18.6	10.6
Cage Rinse	0 to 8	0.45	57.1	49.9	17.6	31.3	26.8
Cage Rinse	8 to 24	16.0	5.08	13.1	23.7	14.5	7.7
Cage Rinse	24 to 48	4.17	0.87	2.79	2.14	2.49	1.38
Cage Rinse	48 to 72	1.56	2.83	0.85	2.01	1.81	0.83
-	Subtotal	22.2	65.9	66.6	45.4	50.1	21.0
Urine + Cage Rinse	Subtotal	33.9	77.4	83.6	79.4	68.6	23.3
Feces	0 to 24	51.6 ^d	8.85	4.19	6.94	17.9	22.5
Feces	24 to 48	1.64	1.48	0.65	1.06	1.21	0.44
Feces	48 to 72	0.58	0.16	0.20	0.23	0.29	0.19
-	Subtotal	53.8	10.5	5.05	8.23	19.4	23.1
Total	-	87.7	87.9	88.7	87.7	88.0	0.5

Distribution in Tissues (72 h)

Tissue	ng-eq/g Mean	ng-eq/g SD ^e	TBR Mean ^f	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	BLOQ	-	1.46	1.77	BLOQ	-
Bladder	23.0	4.0	0.44	0.21	<0.005	<0.005
Muscle (hind leg)	9.00	3.0	0.22	0.13	0.02	0.01
Skin (abdominal)	56.0	45.0	0.96	0.35	0.05	0.04
Blood	BLOQ	-	1.00	0.00	BLOQ	-
Plasma	21.0	5.0	0.45	0.22	0.00	0.00
Spleen	599	-	4.95	-	0.01	-
Liver	105	24	2.35	1.32	0.02	0.01
Kidney	168	29	4.90	2.24	0.01	0.00
Brain	19.0	7.0	0.39	0.15	<0.005	<0.005
Heart	32.0	8.0	0.68	0.33	<0.005	<0.005
Lung	BLOQ	-	BLOQ	-	BLOQ	-
Stomach	BLOQ	-	0.54	-	BLOQ	-
Cecum	BLOQ	-	3.36	0.77	BLOQ	-
Large Intestine	BLOQ	-	1.47	0.29	BLOQ	-
Small Intestine	BLOQ	-	0.28	0.14	BLOQ	-
Thyroid	BLOQ	-	0.8	0.59	BLOQ	-
Ovaries	33.0	-	0.43	0.30	BLOQ	-
Pancreas	29.0	12.0	0.58	0.19	<0.005	<0.005
Uterus with Fallopian tubes	40.0	21.0	0.75	0.20	<0.005	<0.005
Total	-	-	-	-	0.09	0.04

Disposition Summary – Percent of Dose Recovered

Sample	13_01	13_02	13_03	13_04	Mean	SD
Urine ^{a,c}	33.9	77.4	83.6	79.4	68.6	23.3
Feces	53.8 ^d	10.5	5.05	8.23	19.4	23.1
Tissues	0.06	0.06	0.10	0.14	0.09	0.04
GI Tract Contents	BLOQ	0.01	BLOQ	0.05	0.02	0.02
Total	87.7	87.9	88.7	87.6	88.1	0.5

^a Includes urine present in bladder at time of sacrifice.

^b Tissue weights for dispersed tissues were calculated based on body weight as follows: adipose 7.0%, muscle 38.4%, skin 16.5%, blood 4.9%, and plasma 2.8%.

^c Includes cage rinse.

^d Feces may have been contaminated with urine.

^e Where no SD is reported, only one subject had values above the limit of quantitation (LOQ).

^f Note that since blood values are below the limit of quantitation (BLOQ), TBR are estimates.

SD = standard deviation.

TBR = Tissue to blood ratio.