

**Distribution of Radioactivity 24 Hours Following Intravenous Administration of 15 mg/kg
[¹⁴C]2-Methoxy-4-Nitroaniline to Male Harlan Sprague Dawley Rats – Group 6a**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	6a-1	6a-3	6a-4	6a-5	Mean	SD
Urine	0 to 4	14.0	7.77	19.6	36.7	19.5	12.4
Urine	4 to 8	36.7	40.0	24.7	11.1	28.1	13.1
Urine	8 to 12	7.34	8.98	6.17	11.6	8.53	2.37
Urine	12 to 24 ^a	13.6	14.0	12.1	11.3	12.7	1.28
Cage Rinse	0 to 24	6.45	5.71	12.9	7.55	8.15	3.24
-	Subtotal	78.1	76.5	75.5	78.3	77.1	1.34
Feces	0 to 24	8.59	4.91	12.0	10.1	8.89	2.99
-	Subtotal	8.59	4.91	12.0	10.1	8.89	2.99
Total	-	86.7	81.4	87.5	88.4	86.0	3.14

Distribution in Tissues (24 h)

Tissue	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal ^b	33.6	4.5	0.141	0.015	0.015	0.002
Muscle (hind leg) ^b	24.8	2.8	0.105	0.02	0.062	0.008
Skin (abdominal) ^b	128	51.9	0.519	0.158	0.149	0.059
Blood ^b	240	34.5	Unity	-	0.110	0.015
Plasma ^b	101	16.4	0.422	0.054	0.027	0.004
Spleen	83.6	2.4	0.353	0.048	0.001	0.000
Liver	1190	122	5.00	0.441	0.280	0.018
Kidney	256	36.3	1.07	0.099	0.012	0.001
Brain	15.1	1.90	0.064	0.013	0.001	0.000
Heart	75.3	17.8	0.314	0.053	0.002	0.001
Lung	202	17.1	0.86	0.149	0.007	0.001
Pancreas	53.3	14.5	0.222	0.05	0.002	0.000
Total	-	-	-	-	0.667	0.079

Disposition Summary – Percent of Dose Recovered

Sample	6a-1	6a-3	6a-4	6a-5	Mean	SD
Urine ^c	78.1	76.5	75.5	78.3	77.1	1.3
Feces	8.59	4.91	12	10.1	8.89	2.99
Tissues	0.634	0.731	0.732	0.571	0.667	0.079
Total	87.37	82.05	88.23	88.82	86.62	3.10

^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 40.4%, skin 19%, blood 7.4%, and plasma 4.3%. ILSI (1994). *Physiological Parameter Values for PBPK Models*. International Life Sciences Institute.

^c Includes Cage Rinse.