

**Distribution of Radioactivity 72 Hours Following Oral Gavage of 15 mg/kg
[¹⁴C]2-Methoxy-4-Nitroaniline to Female Harlan Sprague Dawley Rats – Group 9**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	9-01	9-02	9-03	9-04	Mean	SD
Urine	0 to 4	16.8	16.5	14.7	13.9	15.5	1.4
Urine	4 to 8	13.6	15.2	9.45	17.3	13.9	3.32
Urine	8 to 12	18.8	15.3	25.5	14.4	18.5	5.04
Urine	12 to 24	15.0	28.2	15.0	12.0	17.6	7.24
Urine	24 to 48	5.07	4.05	3.69	4.42	4.31	0.59
Urine	48 to 72 ^a	2.43	0.78	3.34	0.94	1.87	1.23
Cage Rinse	72	8.09	1.63	4.91	15.6	7.56	5.98
-	Subtotal	79.8	81.7	76.6	78.6	79.2	2.1
Feces	0 to 4	8.22	9.33	9.32	5.97	8.21	1.58
Feces	24 to 48	2.69	1.54	1.58	3.13	2.24	0.8
Feces	48 to 72	0.24	0.14	0.17	0.22	0.19	0.05
-	Subtotal	11.2	11.0	11.1	9.32	10.7	0.89
Total	-	90.9	92.7	87.7	87.9	89.8	2.42

Distribution in Tissues (72 h)

Tissue	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal ^b	27.1	7.3	0.207	0.086	0.012	0.004
Muscle (hind leg) ^b	21.4	2.53	0.15	0.031	0.054	0.006
Skin (abdominal) ^b	74.3	53.7	0.507	0.351	0.087	0.062
Blood ^b	146	19.4	Unity	-	0.067	0.009
Plasma ^b	10.5	5.13	0.088	0.007	0.003	0.001
Spleen	60.9	16.6	0.42	0.118	0.001	0
Liver	331	45.9	2.29	0.36	0.084	0.002
Kidney	126	26.4	0.865	0.173	0.006	0.001
Brain	12.2	1.27	0.084	0.016	0.001	0
Heart	39	8.78	0.27	0.067	0.001	0
Lung	85.4	2.91	0.593	0.084	0.003	0.001
Pancreas	24.9	3.33	0.174	0.039	0.001	0
Total	-	-	-	-	0.315	0.063

Disposition Summary – Percent of Dose Recovered

Sample	9-01	9-02	9-03	9-04	Mean	SD
Urine ^c	79.8	81.7	76.6	78.6	79.2	2.1
Feces	11.2	11.00	11.1	9.32	10.7	0.89
Tissues	0.298	0.407	0.283	0.271	0.32	0.06
Total	91.3	93.0	88.0	88.2	90.1	2.5

^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 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.