

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 8 mg/kg
[¹⁴C] 2-Ethylhexyl-*p*-Methoxycinnamate to Male Harlan Sprague Dawley Rats – Group 3**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	3-01	3-02	3-03	3-04	Mean	SD
Urine	0 to 8	29.1	41.7	26.9	23.7	30.4	7.8
Urine	8 to 24	41.7	30.3	46.3	46.5	41.2	7.6
Urine	24 to 48	3.66	3.12	4.79	5.85	4.36	1.22
Urine	48 to 72 ^a	0.36	0.51	0.80	1.56	0.81	0.53
Cage Rinse	0 to 72	0.68	3.03	1.06	1.45	1.56	1.03
-	Subtotal	75.5	78.6	79.9	79.1	78.3	1.9
Feces	0 to 24	0.78	1.64	0.66	0.43	0.88	0.53
Feces	24 to 48	0.90	2.05	1.13	1.25	1.33	0.50
Feces	48 to 72	1.25	0.82	1.07	0.86	1.00	0.20
-	Subtotal	2.93	4.51	2.85	2.55	3.21	0.88
CO ₂	0 to 8	3.78	1.71	1.86	1.77	2.28	1.00
CO ₂	8 to 24	3.92	1.69	2.77	4.03	3.10	1.10
-	Subtotal	7.70	3.40	4.63	5.80	5.38	1.83
Total	-	86.1	86.5	87.4	87.5	86.9	0.7

Distribution in Tissues (72 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	107	57	1.92	0.65	0.09	0.05
Bladder	208	160	4.52	4.47	<0.005	N.A.
Muscle (hind leg)	28.9	7.8	0.54	0.03	0.14	0.04
Skin (abdominal)	112	35	2.11	0.42	0.26	0.08
Blood	53.2	13.3	1.00	-	0.05	0.01
Plasma	72.1	22.1	1.34	0.10	0.04	0.01
Spleen	81.7	26.2	1.52	0.11	<0.005	N.A.
Liver	263	55	4.99	0.27	0.11	0.02
Kidney	132	23	2.51	0.20	0.01	0.00
Brain	23	9	0.43	0.06	<0.005	N.A.
Heart	48.2	17.0	0.89	0.09	<0.005	N.A.
Lung	72.2	17.7	1.36	0.03	0.01	0.00
Stomach	70.7	17.4	1.34	0.18	0.01	0.00
Cecum	99.1	22.3	1.90	0.42	<0.005	N.A.
Large Intestine	94.4	21.9	1.79	0.16	0.01	0.00
Small Intestine	90.1	18.2	1.72	0.21	0.02	0.00
Thyroid	87.2	43.5	1.57	0.40	<0.005	N.A.
Testes	29.7	9.9	0.55	0.06	0.01	0.00
Pancreas	77.6	33.6	1.41	0.39	<0.005	N.A.
Total	-	-	-	-	0.75	0.21

Disposition Summary – Percent of Dose Recovered

Sample	3-01	3-02	3-03	3-04	Mean	SD
Urine ^{a,c}	75.5	78.6	79.9	79.1	78.3	1.9
Feces	2.93	4.51	2.85	2.55	3.21	0.88
CO ₂	7.70	3.40	4.63	5.80	5.38	1.83
GI Tract Contents	0.03	0.03	0.03	0.04	0.03	0.01
Tissues	0.99	0.53	0.64	0.85	0.75	0.21
Total	87.2	87.1	88.1	88.4	87.7	0.6

^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%.

^c Includes cage rinse.

SD = standard deviation.

TBR = Tissue to blood ratio.

N.A. = Not applicable.