

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of 8 mg/kg
[¹⁴C]2-Ethylhexyl-*p*-Methoxycinnamate to Female Harlan Sprague Dawley Rats – Group 7**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	7-01	7-02	7-04	Mean	SD
Urine	0 to 8	49.3	55.4	50.6	51.8	3.2
Urine	8 to 24	21.7	17.2	20.2	19.7	2.3
Urine	24 to 48	3.07	3.08	3.28	3.15	0.12
Urine	48 to 72 ^a	0.69	0.82	0.93	0.81	0.12
Cage Rinse	0 to 72	0.73	1.47	1.40	1.20	0.41
-	Subtotal	75.6	78.0	76.4	76.7	1.2
Feces	0 to 24	2.09	0.87	1.85	1.60	0.65
Feces	24 to 48	0.30	0.43	0.33	0.35	0.07
Feces	48 to 72	0.11	0.09	0.05	0.08	0.03
-	Subtotal	2.49	1.38	2.24	2.04	0.58
CO ₂	0 to 8	2.58	2.83	2.76	2.72	0.13
CO ₂	8 to 24	0.84	0.72	0.43	0.66	0.21
-	Subtotal	3.42	3.55	3.19	3.39	0.18
Total	-	81.5	82.9	81.9	82.1	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	449	204	9.90	4.64	0.35	0.16
Bladder	94.7	59.9	2.18	1.61	<0.005	N.A.
Muscle (hind leg)	26.4	9.3	0.57	0.14	0.12	0.03
Skin (abdominal)	172	68	3.70	1.11	0.36	0.12
Blood	45.7	5.1	1.00	-	0.04	0.00
Plasma	65.7	6.2	1.44	0.03	0.03	0.00
Spleen	65.8	6.0	1.45	0.20	<0.005	N.A.
Liver	200	13	4.41	0.54	0.08	0.01
Kidney	119	8	2.64	0.43	0.01	0.00
Brain	17.3	3.4	0.38	0.08	<0.005	N.A.
Heart	42.5	5.8	0.93	0.10	<0.005	N.A.
Lung	83.5	9.8	1.83	0.02	0.01	0.00
Stomach	74.8	12.3	1.66	0.40	0.01	0.00
Cecum	111	22	2.43	0.40	<0.005	N.A.
Large Intestine	113	10	2.48	0.07	0.01	0.00
Small Intestine	86.7	23.0	1.89	0.35	0.02	0.01
Thyroid	69.6	23.4	1.54	0.54	<0.005	N.A.
Ovaries	146	31	3.27	1.06	<0.005	N.A.
Pancreas	115	46	2.50	0.87	0.01	0.00
Uterus	162	37	3.51	0.47	0.01	0.00
Total	-	-	-	-	1.07	0.29

Disposition Summary – Percent of Dose Recovered

Sample	7-01	7-02	7-04	Mean	SD
Urine ^{a,c}	75.6	78.0	76.4	76.7	1.2
Feces	2.49	1.38	2.24	2.04	0.58
CO ₂	3.42	3.55	3.19	3.39	0.18
GI Tract Contents	0.03	0.02	0.03	0.03	0.00
Tissues	0.78	1.35	1.08	1.07	0.29
Total	82.3	84.3	83.0	83.2	1.0

^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.