

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of 8 mg/kg
[¹⁴C]2-Ethylhexyl-*p*-methoxycinnamate to Male Harlan Sprague Dawley Rats – Group 5**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	5-01	5-02	5-03	5-04	Mean	SD
Urine	0 to 8	51.4	50.6	44.7	44.5	47.8	3.7
Urine	8 to 24	17.2	19.6	25.8	24.3	21.7	4.0
Urine	24 to 48	1.42	1.71	3.53	3.28	2.49	1.07
Urine	48 to 72 ^a	0.43	0.49	0.99	0.80	0.68	0.27
Cage Rinse	0 to 72	1.26	1.32	1.54	2.53	1.66	0.59
-	Subtotal	71.7	73.7	76.6	75.4	74.4	2.1
Feces	0 to 24	3.08	1.89	2.76	4.46	3.05	1.07
Feces	24 to 48	0.69	0.42	0.29	0.63	0.51	0.18
Feces	48 to 72	0.07	0.05	0.07	0.16	0.09	0.05
-	Subtotal	3.84	2.36	3.12	5.25	3.64	1.23
CO ₂	0 to 8	3.52	3.60	BLOQ (0.00)	1.71	2.94	1.07
CO ₂	8 to 24	1.00	0.93	3.81	0.61	1.59	1.49
-	Subtotal	4.52	4.54	3.81	2.32	3.80	1.04
Total	-	80.1	80.6	83.5	83.0	81.8	1.7

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	311	36	8.42	3.30	0.27	0.04
Bladder	78.4	78.0	1.89	1.40	<0.005	N.A.
Muscle (hind leg)	22.9	6.0	0.59	0.16	0.12	0.03
Skin (abdominal)	141	36	3.61	0.86	0.34	0.08
Blood	40.7	12.9	1.00	-	0.04	0.01
Plasma	63.6	19.8	1.57	0.03	0.03	0.01
Spleen	58.7	19.6	1.44	0.07	<0.005	N.A.
Liver	210	71	5.13	0.26	0.09	0.03
Kidney	98.6	24.8	2.48	0.27	0.01	0.00
Brain	15.6	5.9	0.38	0.03	<0.005	N.A.
Heart	35.6	10.9	0.88	0.02	<0.005	N.A.
Lung	63.3	18.8	1.58	0.26	0.01	0.00
Stomach	59.9	20.6	1.46	0.11	0.01	0.00
Cecum	79.8	22.3	1.98	0.12	<0.005	N.A.
Large Intestine	85.1	24.6	2.13	0.48	0.01	0.00
Small Intestine	61	19	1.51	0.06	0.01	0.00
Thyroid	55.4	22.6	1.35	0.24	<0.005	N.A.
Testes	22.1	7.6	0.54	0.04	<0.005	N.A.
Pancreas	61.6	18.6	1.52	0.09	<0.005	N.A.
Total	-	-	-	-	0.94	0.15

Disposition Summary – Percent of Dose Recovered

Sample	5-01	5-02	5-03	5-04	Mean	SD
Urine ^{a,c}	71.7	73.7	76.6	75.4	74.4	2.1
Feces	3.84	2.36	3.12	5.25	3.64	1.23
CO ₂	4.52	4.54	3.81	2.32	3.80	1.04
Cage Rinse	1.26	1.32	1.54	2.53	1.66	0.59
GI Tract Contents	0.03	0.03	0.03	0.02	0.03	0.01
Tissues	0.97	1.05	1.04	0.72	0.94	0.15
Total	81.1	81.7	84.6	83.8	82.8	1.4

^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.