

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 8 mg/kg
[¹⁴C] 2-Ethylhexyl-*p*-methoxycinnamate to Female Harlan Sprague Dawley Rats – Group 6**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	6-01	6-02	6-03	6-04	Mean	SD
Urine	0 to 8	46.3	11.2	15.9	47.8	30.3	19.5
Urine	8 to 24	27.9	48.1	42.5	24.5	35.7	11.3
Urine	24 to 48	2.83	8.53	5.89	3.99	5.31	2.49
Urine	48 to 72 ^a	0.68	3.00	2.11	0.86	1.66	1.10
Cage Rinse	0 to 72	1.01	5.35	3.44	1.77	2.90	1.93
-	Subtotal	78.7	76.2	69.8	79.0	75.9	4.3
Feces	0 to 24	0.86	0.13	0.79	0.71	0.62	0.34
Feces	24 to 48	0.44	0.87	1.27	0.75	0.83	0.34
Feces	48 to 72	0.56	1.66	0.37	0.71	0.82	0.58
-	Subtotal	1.86	2.66	2.43	2.17	2.28	0.34
CO ₂	0 to 8	3.52	2.53	3.50	3.76	3.33	0.55
CO ₂	8 to 24	1.84	3.30	6.47	1.74	3.34	2.21
-	Subtotal	5.36	5.82	9.97	5.50	6.67	2.21
Total	-	86.0	84.6	82.2	86.7	84.9	2.0

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	146	81	2.25	0.65	0.13	0.08
Bladder	68.2	12.4	1.22	0.50	<0.005	N.A.
Muscle (hind leg)	32.2	10.3	0.53	0.10	0.16	0.06
Skin (abdominal)	99.5	31.2	1.68	0.62	0.24	0.08
Blood	63.3	28.1	1.00	-	0.06	0.03
Plasma	93.8	40.1	1.50	0.12	0.05	0.02
Spleen	113	49	1.79	0.08	0.01	0.00
Liver	286	65	4.80	0.96	0.13	0.04
Kidney	156	42	2.59	0.47	0.02	0.01
Brain	23.7	8.9	0.38	0.04	<0.005	N.A.
Heart	67.8	26.9	1.09	0.09	<0.005	N.A.
Lung	106	50	1.66	0.10	0.01	0.01
Stomach	96.3	38.8	1.55	0.30	0.01	0.00
Cecum	112	35	1.83	0.22	0.01	0.00
Large Intestine	111	42	1.80	0.14	0.01	0.00
Small Intestine	112	48	1.78	0.12	0.03	0.01
Thyroid	102	50	1.60	0.19	<0.005	0.00
Ovaries	171	88	2.66	0.32	<0.005	N.A.
Pancreas	105	29	1.75	0.36	0.01	0.01
Uterus	85.9	35.2	1.37	0.18	<0.005	N.A.
Total	-	-	-	-	0.87	0.32

Disposition Summary – Percent of Dose Recovered

Sample	6-01	6-02	6-03	6-04	Mean	SD
Urine ^{a,c}	78.7	76.2	69.8	79.0	75.9	4.3
Feces	1.86	2.66	2.43	2.17	2.28	0.34
CO ₂	5.36	5.82	9.97	5.50	6.67	2.21
GI Tract Contents	0.13	0.03	0.14	0.04	0.09	0.06
Tissues	0.79	0.84	1.30	0.53	0.87	0.32
Total	86.9	85.5	83.6	87.3	85.8	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.