

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 80 mg/kg
[¹⁴C]2-Ethylhexyl-*p*-Methoxycinnamate to Male Harlan Sprague Dawley Rats – Group 2**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	2-01	2-02	2-03	2-04	Mean	SD
Urine	0 to 8	9.23	27.7	27.1	20.9	21.2	8.6
Urine	8 to 24	47.4	50.3	48.5	53.5	50.0	2.7
Urine	24 to 48	16.2	5.03	4.61	5.00	7.71	5.68
Urine	48 to 72 ^a	1.87	0.59	1.00	0.65	1.03	0.59
Cage Rinse	0 to 72	3.74	0.97	2.43	2.69	2.46	1.15
-	Subtotal	78.5	84.6	83.7	82.8	82.4	2.7
Feces	0 to 24	1.21	0.25	0.38	0.52	0.59	0.43
Feces	24 to 48	2.79	0.27	2.35	1.02	1.61	1.17
Feces	48 to 72	2.03	1.57	0.35	1.78	1.43	0.74
-	Subtotal	6.03	2.09	3.08	3.33	3.63	1.69
CO ₂	0 to 8	2.15	1.18	1.55	0.68	1.39	0.62
CO ₂	8 to 24	3.43	2.16	2.16	2.90	2.66	0.62
-	Subtotal	5.58	3.34	3.70	3.58	4.05	1.03
Total	-	90.1	90.0	90.5	89.7	90.1	0.3

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	648	175	2.02	0.47	0.06	0.02
Bladder	1000	730	3.02	1.76	<0.005	N.A.
Muscle (hind leg)	191	22	0.60	0.12	0.09	0.01
Skin (abdominal)	878	250	2.76	0.83	0.20	0.06
Blood	325	66	1.00	-	0.03	0.01
Plasma	475	113	1.46	0.11	0.03	0.01
Spleen	520	67	1.63	0.22	<0.005	N.A.
Liver	1880	344	5.80	0.30	0.08	0.01
Kidney	947	140	2.96	0.37	0.01	0.00
Brain	149	24	0.43	0.06	<0.005	N.A.
Heart	311	26	0.99	0.21	<0.005	N.A.
Lung	474	108	1.46	0.06	<0.005	N.A.
Stomach	567	184	1.72	0.24	<0.005	N.A.
Cecum	846	192	2.65	0.59	<0.005	N.A.
Large Intestine	635	48	2.00	0.30	0.01	0.00
Small Intestine	630	148	1.94	0.19	0.01	0.00
Thyroid	502	144	1.57	0.40	<0.005	0.00
Testes	166	26	0.51	0.04	<0.005	N.A.
Pancreas	615	145	1.89	0.18	<0.005	N.A.
Total	-	-	-	-	0.52	0.08

Disposition Summary – Percent of Dose Recovered

Sample	2-01	2-02	2-03	2-04	Mean	SD
Urine ^{a,c}	78.5	84.6	83.7	82.8	82.4	2.7
Feces	6.03	2.09	3.08	3.33	3.63	1.69
CO ₂	5.58	3.34	3.70	3.58	4.05	1.03
GI Tract Contents	0.04	0.04	0.02	0.04	0.04	0.01
Tissues	0.59	0.49	0.42	0.58	0.52	0.08
Total	90.7	90.5	90.9	90.3	90.6	0.2

^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