

**Distribution of Radioactivity 24 Hours Following Gavage Administration of 8 mg/kg
[¹⁴C] 2-Ethylhexyl-*p*-methoxycinnamate to Male Harlan Sprague Dawley Rats – Group 4**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	4-01	4-02	4-03	4-04	Mean	SD
Urine	0 to 8	38.5	23.9	37.1	22.9	30.6	8.4
Urine	8 to 24 ^a	32.7	44.8	38.0	48.5	41.0	7.1
Cage Rinse	0 to 24	8.46	7.43	5.00	7.22	7.03	1.46
-	Subtotal	79.6	76.2	80.2	78.7	78.7	1.8
Feces	0 to 24	0.13	0.09	1.44	2.14	0.95	1.01
CO ₂	0 to 8	0.48	0.84	0.78	0.8	0.73	0.16
CO ₂	8 to 24	2.22	3.42	1.45	2.27	2.34	0.81
-	Subtotal	2.71	4.26	2.23	3.07	3.07	0.87
Total	-	82.5	80.5	83.8	83.9	82.7	1.6

Distribution in Tissues (24 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	140	59	1.07	0.45	0.12	0.05
Bladder	2220	600	18.1	9.0	0.01	0.00
Muscle (hind leg)	46.6	13.4	0.35	0.08	0.23	0.07
Skin (abdominal)	144	26	1.08	0.13	0.34	0.06
Blood	136	38	1.00	-	0.12	0.03
Plasma	237	74	1.73	0.07	0.13	0.04
Spleen	120	25	0.90	0.11	<0.005	N.A.
Liver	706	185	5.26	0.66	0.31	0.07
Kidney	490	209	3.53	0.64	0.05	0.02
Brain	34	8	0.28	0.15	<0.005	N.A.
Heart	80.8	28.8	0.59	0.04	0.01	0.00
Lung	136	45	1.01	0.17	0.01	0.00
Stomach	487	278	3.35	1.15	0.03	0.02
Cecum	1900	853	14.40	6.29	0.04	0.03
Large Intestine	831	279	6.40	2.66	0.05	0.02
Small Intestine	757	357	5.46	1.62	0.12	0.06
Thyroid	129	34	0.97	0.21	<0.005	N.A.
Testes	52.9	14.6	0.39	0.05	0.01	0.00
Pancreas	248	85	1.83	0.40	0.02	0.01
Total	-	-	-	-	1.59	0.36

Disposition Summary – Percent of Dose Recovered

Sample	4-01	4-02	4-03	4-04	Mean	SD
Urine ^{a,c}	79.6	76.2	80.2	78.7	78.7	1.8
Feces	0.13	0.09	1.44	2.14	0.95	1.01
CO ₂	2.71	4.26	2.23	3.07	3.07	0.87
GI Tract Contents	1.55	2.94	1.86	3.00	2.34	0.74
Tissues	1.59	1.96	1.10	1.72	1.59	0.36
Total	85.6	85.4	86.8	88.6	86.6	1.3

^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.