

**Distribution of Radioactivity 72 Hours Following Gavage Administration of 8 mg/kg
[¹⁴C] 2-Ethylhexyl-*p*-Methoxycinnamate to Female B6C3F1/N Mice – Group 10**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	10-01	10-02	10-03	10-04	Mean	SD
Urine	0 to 8	BLOD	BLOD	BLOD	<0.005	<0.005	N.A.
Urine	8 to 24	8.83	0.03	29.4	53.7	23.0	23.9
Urine	24 to 48	13.6	0.08	20.6	10.6	11.2	8.5
Urine	48 to 72 ^a	32.2	2.11	3.33	6.04	10.9	14.3
Cage Rinse	0 to 72	10.7	27.3	6.57	2.65	11.8	10.8
-	Subtotal	65.3	29.5	59.9	73.0	56.9	19.1
Feces	0 to 24	6.85	40.5	10.9	9.04	16.8	15.9
Feces	24 to 48	6.38	6.42	5.77	1.62	5.05	2.30
Feces	48 to 72	2.56	4.24	4.53	0.40	2.93	1.90
-	Subtotal	15.8	51.2	21.2	11.1	24.8	18.1
CO ₂	0 to 4	0.37	0.30	0.38	0.37	0.36	0.04
CO ₂	4 to 8	0.33	0.32	0.43	0.24	0.33	0.08
CO ₂	8 to 12	0.39	0.45	0.39	0.42	0.41	0.03
CO ₂	12 to 24	1.74	1.20	0.90	0.53	1.09	0.51
CO ₂	24 to 48	1.50	1.20	0.88	0.35	0.98	0.49
CO ₂	48 to 72	0.53	0.37	0.15	0.13	0.30	0.19
-	Subtotal	4.86	3.84	3.13	2.04	3.47	1.19
Exhaled VOC	0 to 4	BLOD	<0.005	<0.005	BLOQ	<0.005	N.A.
Exhaled VOC	4 to 8	BLOD	0.01	0.01	BLOD	0.01	0.00
Exhaled VOC	8 to 12	0.01	0.09	0.08	0.01	0.05	0.04
Exhaled VOC	12 to 24	0.15	0.21	0.74	0.93	0.51	0.39
Exhaled VOC	24 to 48	0.34	0.21	0.34	0.65	0.39	0.19
Exhaled VOC	48 to 72	0.27	0.19	0.33	0.12	0.23	0.09
-	Subtotal	0.77	0.71	1.50	1.71	1.17	0.51
Total	-	86.8	85.3	85.7	87.8	86.4	1.1

Distribution in Tissues (72 h)

Tissue	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal ^b	61.2	30.2	9.95	7.39	0.05	0.02
Bladder	21.8	3.7	3.03	1.02	<0.005	N.A.
Muscle (hind leg) ^b	6.92	0.54	1.03	0.54	0.03	0.00
Skin (abdominal) ^b	40.4	5.8	5.62	2.00	0.07	0.01
Blood ^b	9.33	3.11	1.00	-	0.01	0.00
Plasma ^b	9.74	4.54	1.21	0.27	<0.005	N.A.
Spleen	10.5	2.92	1.44	0.55	<0.005	N.A.
Liver	74.2	11.60	10.10	5.09	0.04	0.01
Kidney	65.0	21.00	8.50	2.08	0.01	0.00
Brain	2.43	0.74	0.32	0.08	<0.005	N.A.
Heart	24.7	5.89	3.35	1.10	<0.005	N.A.
Lung	12.0	2.56	1.62	0.45	<0.005	N.A.
Stomach	58.7	21.40	7.45	1.45	<0.005	N.A.
Cecum	95.4	43.10	12.2	3.4	<0.005	N.A.
Large Intestine	49.9	19.20	6.73	3.25	<0.005	N.A.
Small Intestine	38.0	15.30	4.80	1.55	0.01	0.01
Thyroid	BLOQ	-	BLOQ(1.15)	BLOQ(0.85)	BLOQ	-
Ovaries	36.6	8.90	5.65	3.69	<0.005	N.A.
Pancreas	30.2	7.41	4.43	2.23	<0.005	N.A.
Uterus with Fallopian Tubes	18.6	2.33	2.73	1.47	<0.005	N.A.
Total	-	-	-	-	0.23	0.01

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Disposition Summary – Percent of Dose Recovered

Sample	10-01	10-02	10-03	10-04	Mean	SD
Urine ^c	65.3	29.5	59.9	73.0	56.9	19.1
Feces	15.8	51.2	21.2	11.1	24.8	18.1
CO ₂	4.86	3.84	3.13	2.04	3.47	1.19
Exhaled VOC	0.77	0.71	1.50	1.71	1.17	0.51
GI Tract Contents	0.09	0.07	0.01	0.05	0.06	0.03
Tissues	0.24	0.21	0.23	0.23	0.23	0.01
Total	87.1	85.6	86.0	88.1	86.7	1.2

^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 38.4%, skin 16.5%, blood 4.9%, and plasma 2.8%.

^c Includes cage rinse.

BLOD = Below the limit of detection.

BLOQ = Below limit of quantitation.

N.A. = not applicable.

SD = standard deviation.

TBR = Tissue to blood ratio.

Faltubes = Fallopian tubes.