

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of 8 mg/kg
[¹⁴C] 2-Ethylhexyl-*p*-Methoxycinnamate to Female B6C3F1/N Mice – Group 11**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	11-01	11-02	11-03	11-04	Mean	SD
Urine	0 to 8	N.S.	N.S.	N.S.	N.S.	N.S.	N.A.
Urine	8 to 24	50.7	55.6	23.0	N.S.	32.3	25.9
Urine	24 to 48	4.34	9.35	19.5	0.31	8.38	8.29
Urine	48 to 72 ^a	1.92	1.15	17.2	0.79	5.27	7.97
Cage Rinse	0 to 72	19.2	15.1	14.5	5.78	13.6	5.64
-	Subtotal	76.2	81.2	74.2	6.9	59.6	35.3
Feces	0 to 24	9.99	5.67	10.6	55.1	20.3	23.3
Feces	24 to 48	0.81	0.62	1.26	14.9	4.40	7.01
Feces	48 to 72	0.98	2.45	1.09	6.06	2.65	2.37
-	Subtotal	11.8	8.74	13.0	76.1	27.4	32.5
CO ₂	0 to 4	0.65	0.84	0.78	0.75	0.76	0.08
CO ₂	4 to 8	0.32	0.40	0.34	0.17	0.31	0.10
CO ₂	8 to 12	0.16	0.34	0.17	0.11	0.20	0.10
CO ₂	12 to 24	0.37	0.27	0.53	0.10	0.32	0.18
CO ₂	24 to 48	0.39	0.30	0.32	0.09	0.28	0.13
CO ₂	48 to 72	0.13	BLOD	0.14	BLOD	0.14	0.01
-	Subtotal	2.02	2.15	2.28	1.22	1.92	0.48
Exhaled VOC	0 to 4	0.01	0.02	0.09	0.02	0.04	0.04
Exhaled VOC	4 to 8	0.00	0.01	0.09	0.04	0.05	0.04
Exhaled VOC	8 to 12	0.03	0.04	0.06	0.03	0.04	0.01
Exhaled VOC	12 to 24	0.30	0.12	0.12	0.15	0.17	0.09
Exhaled VOC	24 to 48	0.14	0.10	0.16	0.13	0.13	0.03
Exhaled VOC	48 to 72	0.07	0.07	0.13	0.07	0.09	0.03
-	Subtotal	0.55	0.36	0.65	0.44	0.50	0.13
Total	-	90.5	92.5	90.1	84.6	89.4	3.4

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	8.60	17.2	0.76	1.53	0.01	0.01
Bladder	24.0	6.9	2.57	1.26	<0.005	N.A.
Muscle (hind leg) ^b	8.84	2.84	0.89	0.20	0.04	0.01
Skin (abdominal) ^b	58.9	34.2	5.68	2.45	0.11	0.06
Blood ^b	10.0	2.8	1.00	-	0.01	0.00
Plasma ^b	12.0	4.8	1.16	0.16	<0.005	N.A.
Spleen	BLOQ(16.7)	3.9	BLOQ(1.39)	0.28	BLOQ(<0.005)	N.A.
Liver	72.5	6.2	7.64	1.98	0.05	0.00
Kidney	47.5	12.1	4.77	0.37	0.01	0.00
Brain	7.47	0.74	0.79	0.22	<0.005	N.A.
Heart	21.4	4.5	2.30	0.85	<0.005	N.A.
Lung	31.5	2.6	3.30	0.75	<0.005	N.A.
Stomach	49.8	38.9	4.67	2.42	<0.005	N.A.
Cecum	96.2	75.8	7.98	5.11	<0.005	N.A.
Large Intestine	39.8	27.1	3.68	1.54	0.01	0.00
Small Intestine	43.2	31.2	3.95	1.84	0.01	0.01
Thyroid	BLOQ	BLOQ	BLOQ(2.51)	0.62	BLOQ	N.A.
Ovaries	46.9	38.5	3.75	2.12	<0.005	N.A.
Pancreas	29.0	22.2	2.72	1.35	0.01	0.00
Uterus with Fallopian Tubes	38.5	30.8	3.54	1.90	<0.005	0.00
Total	-	-	-	-	0.26	0.10

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Disposition Summary – Percent of Dose Recovered

Sample	11-01	11-02	11-03	11-04	Mean	SD
Urine ^c	76.2	81.2	74.2	6.9	59.6	35.3
Feces	11.8	8.74	13.0	76.1	27.4	32.5
CO ₂	2.02	2.15	2.28	1.22	1.92	0.48
Exhaled VOC	0.55	0.36	0.65	0.44	0.50	0.13
GI Tract Contents	0.05	0.02	0.11	0.03	0.05	0.04
Tissues	0.36	0.18	0.34	0.18	0.26	0.10
Total	90.9	92.7	90.6	84.9	89.8	3.4

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

^c Includes cage rinse.

N.S. = not significant and N.A = not applicable.

BLOD = Below the limit of detection.

BLOQ = Below the limit of quantitation.

SD = standard deviation.

TBR = Tissue to blood ratio.