

**Distribution of Radioactivity 72 Hours Following Intravenous Administration of 8 mg/kg
[¹⁴C] 2-Ethylhexyl-*p*-Methoxycinnamate to Male B6C3F1/N Mice – Group 9**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	9-01	9-02	9-03	9-04	Mean	SD
Urine	0 to 8	N.S.	BLOQ	<0.005	N.S.	<0.005	N.A.
Urine	8 to 24	24.7	N.S.	74.7	36.1	33.9	31.1
Urine	24 to 48	4.69	1.36	6.25	20.8	8.28	8.60
Urine	48 to 72 ^a	3.97	1.14	1.79	15.90	5.70	6.91
Cage Rinse	0 to 72	16.2	50.0	6.96	7.31	20.1	20.4
-	Subtotal	49.6	52.5	89.7	80.1	68.0	20.0
Feces	0 to 24	31.6	12.7	1.94	5.42	12.9	13.2
Feces	24 to 48	1.58	4.69	0.19	1.38	1.96	1.92
Feces	48 to 72	3.94	12.10	0.42	4.55	5.25	4.91
-	Subtotal	37.1	29.5	2.55	11.4	20.1	15.9
CO ₂	0 to 4	0.63	0.69	0.88	0.77	0.74	0.11
CO ₂	4 to 8	0.24	0.25	0.37	0.23	0.27	0.07
CO ₂	8 to 12	0.20	0.22	0.19	0.18	0.20	0.02
CO ₂	12 to 24	0.19	0.40	0.16	0.32	0.27	0.11
CO ₂	24 to 48	0.22	0.40	0.11	0.33	0.27	0.13
CO ₂	48 to 72	0.11	0.24	BLOQ	0.08	0.14	0.09
-	Subtotal	1.59	2.20	1.71	1.91	1.85	0.27
Exhaled VOC	0 to 4	0.01	0.02	0.02	0.01	0.02	0.01
Exhaled VOC	4 to 8	<0.005	0.08	0.01	0.01	0.03	0.04
Exhaled VOC	8 to 12	0.02	0.05	0.02	0.05	0.04	0.02
Exhaled VOC	12 to 24	0.10	0.10	0.04	0.31	0.14	0.12
Exhaled VOC	24 to 48	0.09	0.11	0.04	0.40	0.16	0.16
Exhaled VOC	48 to 72	0.16	0.13	0.04	0.28	0.15	0.10
-	Subtotal	0.38	0.49	0.17	1.06	0.53	0.38
Total	-	88.6	84.7	94.1	94.5	90.5	4.7

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	43.4	11.2	3.32	0.66	0.03	0.01
Bladder	292	348	17.2	14.1	<0.005	N.A.
Muscle (hind leg) ^b	8.53	2.12	0.67	0.21	0.04	0.01
Skin (abdominal) ^b	35.2	14.9	2.66	1.14	0.06	0.03
Blood ^b	13.7	5.5	1.00	-	0.01	0.00
Plasma ^b	20.5	10.5	1.46	0.19	0.01	0.00
Spleen	19.5	3.5	1.52	0.34	0.00	0.00
Liver	93.9	21.4	7.20	1.42	0.05	0.02
Kidney	103	45	7.47	1.32	0.02	0.01
Brain	9.15	0.48	0.73	0.21	<0.005	N.A.
Heart	22.1	4.4	1.70	0.35	<0.005	N.A.
Lung	43.8	7.1	3.40	0.72	<0.005	N.A.
Stomach	113	83	7.56	2.43	0.01	0.00
Cecum	188	239	11.20	9.86	<0.005	N.A.
Large Intestine	62.6	67.2	3.91	2.53	0.01	0.01
Small Intestine	114	98	7.64	3.59	0.02	0.02
Thyroid	36.0	21.1	2.70	1.51	<0.005	N.A.
Testes	6.42	1.80	0.49	0.08	<0.005	N.A.
Pancreas	30.9	23.5	2.07	0.69	<0.005	N.A.
Total	-	-	-	-	0.26	0.10

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Disposition Summary – Percent of Dose Recovered

Sample	9-01	9-02	9-03	9-04	Mean	SD
Urine ^c	49.6	52.5	89.7	80.1	68.0	20.0
Feces	37.1	29.5	2.6	11.4	20.1	15.9
CO ₂	1.59	2.20	1.71	1.91	1.85	0.27
Exhaled VOC	0.38	0.49	0.17	1.06	0.53	0.38
GI Tract Contents	0.06	0.24	0.03	0.04	0.09	0.10
Tissues	0.18	0.41	0.21	0.24	0.26	0.10
Total	88.9	85.3	94.4	94.8	90.8	4.5

^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.

BLOQ = Below the limit of quantitation.

SD = standard deviation.

TBR = Tissue to blood ratio.