

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

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	8-01	8-02	8-03	8-04	Mean	SD
Urine	0 to 8	BLOD	BLOD	BLOD	BLOD	BLOD	N.A.
Urine	8 to 24	15.8	52.0	22.0	36.8	31.7	16.2
Urine	24 to 48	28.0	21.1	20.9	29.5	24.9	4.5
Urine	48 to 72 ^a	3.94	1.85	3.69	3.02	3.13	0.94
Cage Rinse	0 to 72	12.3	9.00	14.7	15.8	13.0	3.0
-	Subtotal	60.0	84.0	61.3	85.1	72.6	13.8
Feces	0 to 24	19.7	4.80	12.7	1.85	9.76	8.05
Feces	24 to 48	6.78	1.84	7.56	1.61	4.45	3.16
Feces	48 to 72	0.61	0.12	1.04	0.46	0.56	0.38
-	Subtotal	27.1	6.76	21.3	3.92	14.8	11.2
CO ₂	0 to 4	0.29	0.37	0.34	0.42	0.36	0.05
CO ₂	4 to 8	0.27	0.20	0.25	0.15	0.22	0.05
CO ₂	8 to 12	0.19	0.27	0.37	0.20	0.26	0.08
CO ₂	12 to 24	0.47	0.63	0.74	0.42	0.57	0.15
CO ₂	24 to 48	0.43	0.24	0.45	0.60	0.43	0.15
CO ₂	48 to 72	0.07	BLOQ	0.13	0.11	0.10	0.03
-	Subtotal	1.72	1.71	2.28	1.90	1.90	0.27
Exhaled VOC	0 to 4	BLOQ	<0.005	<0.005	0.03	0.01	0.02
Exhaled VOC	4 to 8	0.01	0.01	<0.005	0.02	0.01	0.01
Exhaled VOC	8 to 12	0.01	0.14	0.01	0.05	0.05	0.06
Exhaled VOC	12 to 24	0.16	0.27	0.29	0.17	0.22	0.07
Exhaled VOC	24 to 48	0.19	0.15	0.42	0.12	0.22	0.14
Exhaled VOC	48 to 72	0.11	0.08	0.35	0.08	0.16	0.13
-	Subtotal	0.48	0.65	1.07	0.47	0.67	0.28
Total	-	89.3	93.1	86.0	91.4	89.9	3.1

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	30.1	16.7	4.26	1.12	0.02	0.01
Bladder	148	80	23.5	14.2	<0.005	N.A.
Muscle (hind leg) ^b	4.59	0.77	0.72	0.22	0.02	0.00
Skin (abdominal) ^b	30	8	4.86	2.31	0.06	0.02
Blood ^b	6.76	2.08	1.00	-	<0.005	N.A.
Plasma ^b	6.29	4.61	0.87	0.37	<0.005	N.A.
Spleen	8.45	2.09	1.30	0.31	<0.005	N.A.
Liver	60.8	9.5	9.31	1.52	0.04	0.00
Kidney	95.8	13.0	14.8	3.2	0.02	0.00
Brain	2.5	0.5	0.38	0.07	<0.005	N.A.
Heart	19.5	4.2	3.13	1.35	<0.005	N.A.
Lung	11.2	2.4	1.70	0.22	<0.005	N.A.
Stomach	54.6	15.7	8.62	3.95	<0.005	N.A.
Cecum	61	36	8.79	3.11	<0.005	N.A.
Large Intestine	42.3	18.3	6.27	1.84	<0.005	N.A.
Small Intestine	33.1	12.7	4.91	1.00	0.01	0.00
Thyroid	21.4	9.4	3.09	0.38	<0.005	N.A.
Testes	4.95	1.41	0.74	0.14	<0.005	N.A.
Pancreas	13.5	5.3	2.02	0.61	<0.005	N.A.
Total	-	-	-	-	0.18	0.03

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Disposition Summary – Percent of Dose Recovered

Sample	8-01	8-02	8-03	8-04	Mean	SD
Urine ^c	60.0	84.0	61.3	85.1	72.6	13.8
Feces	27.1	6.76	21.3	3.92	14.8	11.2
CO2	1.72	1.71	2.28	1.90	1.90	0.27
Exhaled VOC	0.48	0.65	1.07	0.47	0.67	0.28
GI Tract Contents	0.03	0.02	0.05	0.03	0.03	0.01
Tissues	0.15	0.19	0.22	0.18	0.18	0.03
Total	89.4	93.2	86.1	91.5	90.1	3.0

^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.

SD = standard deviation.

TBR = Tissue to blood ratio.

N.A. = not applicable.