Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

E05: CLINICAL OBSERVATIONS SUMMARY

Test Compound: 2-Mercaptobenzimidazole

CAS Number: 583-39-1

Date Report Requested: 10/24/2014 Time Report Requested: 05:10:38

First Dose M/F: NA / NA

Lab: ⅡT

C Number: C60980B

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole **CAS Number:** 583-39-1

Route: RESPIRATORY EXPOSURE WHOLE BODY

First Dose M/F: NA / NA

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:38

NATURT EXPOSURE WHOLE BODT

Lab: IIT

Species/Strain: Rat/F 344/N

SEX :MALE WEEK: 14

OBSERVATIONS	CONTROL		3.13	MG/M3	6.25	MG/M3	12.5 MG/M3	
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
bnormal Posture	0/0	0 / 29	0/0	0 / 29	0/0	0 / 10	0/0	0 / 29
Comatose	0/0	0 / 29	0/0	0 / 29	0/0	0 / 10	0/0	0 / 29
Discharge Left Eye	0/0	1 / 29 DAY 29	0/0	1 / 29 DAY 64	0/0	1 / 10 DAY 64	0/0	0 / 29
maciated	0/0	0 / 29	0/0	0 / 29	0/0	0 / 10	0/0	0 / 29
exophthalmos Left Eye	0/0	1 / 29 DAY 8	0/0	0 / 29	0/0	0/10	0/0	0 / 29
lypoactivity	0/0	0 / 29	0/0	0 / 29	0/0	0 / 10	0/0	0 / 29
Opacity Left Eye	0/0	1 / 29 DAY 22	0/0	0 / 29	0/0	0/10	0/0	0 / 29
Reddened Left Eye	0/0	1 / 29 DAY 15	0/0	0 / 29	0/0	0/10	0/0	0 / 29

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 583-39-1

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Lab: ⅡT

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:38

SEX:MALE

OBSERVATIONS	CONT	CONTROL		3.13 MG/M3		MG/M3	12.5	MG/M3
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Swelling Left Eye	0/0	1 / 29 DAY 15	0/0	0 / 29	0/0	0 / 10	0/0	0 / 29
Wound Left Rear Leg	0/0	0 / 29	0/0	0 / 29	0/0	0 / 10	0/0	0 / 29
Wound Tail	0/0	0 / 29	0/0	0 / 29	0/0	0 / 10	0/0	0/29

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole

Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Rat/F 344/N

CAS Number: 583-39-1

Date Report Requested: 10/24/2014 Time Report Requested: 05:10:38

First Dose M/F: NA / NA

Lab: ⅡT

SEX :MALE WEEK: 14

OBSERVATIONS	25.0	MG/M3	50.0 I	MG/M3
OBSERVATIONS	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0/0	3 / 10	0/0	18 / 29
		DAY 78		DAY 50
Comatose	0/0	0 / 10	0/0	1 / 29
				DAY 71
Discharge	0/0	0 / 10	0/0	0 / 29
Left Eye				
Emaciated	0/0	3 / 10	0/0	5 / 29
		DAY 71		DAY 64
Exophthalmos	0/0	0 / 10	0/0	0 / 29
Left Eye				
Hypoactivity	0/0	3 / 10	0/0	17 / 29
		DAY 29		DAY 43
Opacity	0/0	0 / 10	0/0	0 / 29
Left Eye				
Reddened	0/0	0 / 10	0/0	0 / 29
Left Eye				

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole

Route: RESPIRATORY EXPOSURE WHOLE BODY

First Dose M/F: NA / NA Lab: IIT

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:38

CAS Number: 583-39-1

Species/Strain: Rat/F 344/N

SEX :MALE WEEK: 14

OBSERVATIONS	25.0 N	MG/M3	50.0 MG/M3		
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	
Swelling Left Eye	0/0	0 / 10	0/0	0/29	
Wound Left Rear Leg	0/0	0 / 10	0/0	1 / 29 DAY 43	
Wound Tail	0/0	0 / 10	0/0	1 / 29 DAY 43	

END OF MALE DATA

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole **CAS Number:** 583-39-1

Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:38

Lab: IIT

SEX:FEMALE

OBSERVATIONS	CON	ΓROL	3.13	MG/M3	6.25 I	MG/M3	12.5	MG/M3
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10
Discharge Left Eye	0/0	0 / 10	0/0	1 / 10 DAY 57	0/0	0/10	0/0	0 / 10
Discharge Nose	0/0	0 / 10	0/0	1 / 10 DAY 22	0/0	0/10	0/0	0 / 10
Discoloration Both Eyes	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10
Dyspnea	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10
Emaciated	0/0	1 / 10 DAY 8	0/0	0/10	0/0	0/10	0/0	0/10
Hyperactive	0/0	0 / 10	0/0	0/10	0/0	1 / 10 DAY 50	0/0	0 / 10
Hypoactivity	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole

Route: RESPIRATORY EXPOSURE WHOLE BODY

First Dose M/F: NA / NA Lab: IIT

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:38

CAS Number: 583-39-1

Species/Strain: Rat/F 344/N

SEX :FEMALE WEEK: 13

OBSERVATIONS	CONTROL		3.13 I	3.13 MG/M3		6.25 MG/M3		MG/M3
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Opacity Both Eyes	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10
Vound Nose	0/0	1 / 10 DAY 50	0/0	0/10	0/0	0/10	0/0	0 / 10
Vound Tail	0/0	0 / 10	0/0	0 / 10	0/0	0 / 10	0/0	1 / 10 DAY 43

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

Species/Strain: Rat/F 344/N

E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole

Route: RESPIRATORY EXPOSURE WHOLE BODY

First Dose M/F: NA / NA

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:39

CAS Number: 583-39-1

Lab: IIT

SEX:FEMALE

OBSERVATIONS	25.0 I	MG/M3	50.0	MG/M3
	CURRENT*	TOTAL+	CURRENT*	TOTAL+
Abnormal Posture	0/0	9 / 10	0/0	10 / 10
		DAY 64		DAY 22
Discharge Left Eye	0/0	0 / 10	0/0	0/10
Discharge Nose	0/0	0 / 10	0/0	0 / 10
Discoloration Both Eyes	0/0	1 / 10 DAY 71	0/0	0 / 10
Dyspnea	0/0	0 / 10	0/0	1 / 10 DAY 22
Emaciated	0/0	8 / 10 DAY 71	0/0	10 / 10 DAY 43
Hyperactive	0/0	0 / 10	0/0	0 / 10
Hypoactivity	0/0	8 / 10 DAY 64	0/0	10 / 10 DAY 36

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

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E05: CLINICAL OBSERVATIONS SUMMARY

Test Type: 90-DAY

Test Compound: 2-Mercaptobenzimidazole

Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Rat/F 344/N

CAS Number: 583-39-1

Date Report Requested: 10/24/2014 Time Report Requested: 05:10:39

First Dose M/F: NA / NA

Lab: ⅡT

SEX:FEMALE

OBSERVATIONS	25.0 N	MG/M3	50.0 MG/M3		
	CURRENT*	TOTAL+	CURRENT*	TOTAL+	
Opacity	0/0	0 / 10	0/0	1 / 10	
Both Eyes				DAY 78	
Wound	0/0	0 / 10	0/0	1 / 10	
Nose				DAY 8	
Wound	0/0	1 / 10	0/0	1 / 10	
Tail		DAY 78		DAY 43	

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

E05: CLINICAL OBSERVATIONS SUMMARY

Date Report Requested: 10/24/2014

Time Report Requested: 05:10:39

First Dose M/F: NA / NA

Lab: IIT

Test Compound: 2-Mercaptobenzimidazole

CAS Number: 583-39-1

^{**} END OF REPORT **

^{*} ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

⁺ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY ROW 2 = DAY OF ONSET