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<tr>
<td>Route:</td>
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<td>Test Compound:</td>
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| C Number:         | C95007V |
| Lock Date:        | 08/12/1996 |
| Cage Range:       | All |
| Date Range:       | All |
| Reasons For Removal: | All |
| Removal Date Range: | All |
| Treatment Groups: | All |
| Study Gender:     | Both |
| PWG Approval Date | NONE |
P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)

CAS Number: 298-59-9

Date Report Requested: 10/17/2014

First Dose M/F: NA / NA

Lab: BAT

---

**DAY ON TEST**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 PPM       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| *TOTALS    | 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15| 15 |

**Alimentary System**

- Liver: + + + + + + + + + + + + + + + 15
  - Inflammation, Chronic Active: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
  - Vacuolization Cytoplasmic: 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

- Spleen: + 1

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal
2) Mild
3) Moderate
4) Marked
Experiment Number: 95007-02
Test Type: 26-WEEK
Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)
CAS Number: 298-59-9

Date Report Requested: 10/17/2014
First Dose M/F: NA / NA
Lab: BAT

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### P53(C57BL/6) Mouse Male

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### Nervous System

NONE

### Respiratory System

NONE

### Special Senses System

NONE

### Urinary System

NONE

---

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
1) Minimal 2) Mild
3) Moderate 4) Marked
Experiment Number: 95007-02  
Test Type: 26-WEEK  
Route: DOSED FEED  
Species/Strain: Mouse/P53(C57BL/6)  
Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)  
CAS Number: 298-59-9  
Date Report Requested: 10/17/2014  
First Dose M/F: NA / NA  
Lab: BAT

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</table>

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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Experiment Number: 95007-02
Test Type: 26-WEEK
Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)
CAS Number: 298-59-9

Date Report Requested: 10/17/2014
First Dose M/F: NA / NA
Lab: BAT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
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| 3           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

P53(C57BL/6) Mouse Male
50 PPM

ANIMAL ID

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|           | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
|           | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M . . Missing tissue
X . . Lesion present
A . . Autolysis precludes evaluation
I . . Insufficient tissue
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Page 5
Experiment Number: 95007-02
Test Type: 26-WEEK
Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)
CAS Number: 298-59-9

Date Report Requested: 10/17/2014
First Dose M/F: NA / NA
Lab: BAT

Dose Level Table

| ANIMAL ID | 0 | 1 | 6 | 9 | 0 | 0 | 1 | 5 | 2 | 0 | 1 | 6 | 9 | 0 | 0 | 1 | 5 | 3 | 1 | 6 | 0 | 1 | 6 | 1 | 6 | 0 | 1 | 6 | 1 | 6 | 0 |

**Alimentary System**

| Lesion Description | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

- Depletion Glycogen: 3
- Inflammation, Chronic Active: 1
- Vacuolization Cytoplasmic: 2

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus: +

**Integumentary System**

NONE

**Musculoskeletal System**

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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Experiment Number: 95007-02
Test Type: 26-WEEK
Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**
Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)
CAS Number: 298-59-9

Date Report Requested: 10/17/2014
First Dose M/F: NA / NA
Lab: BAT

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**TOTALES**

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
1-4 ..Lesion qualified as:
X ..Lesion present
A ..Autolysis precludes evaluation
1) Minimal 3) Moderate
I ..Insufficient tissue
BLANK ..Not examined microscopically
2) Mild 4) Marked

Page 7
### Experiment Number:
95007-02

### Test Type:
26-WEEK

### Route:
DOSED FEED

### Species/Strain:
Mouse/P53(C57BL/6)

### Test Compound:
Transgenic model evaluation (Methylphenidate hydrochloride)

### CAS Number:
298-59-9

### Date Report Requested:
10/17/2014

### Time Report Requested:
22:27:53

### First Dose M/F:
NA / NA

### Lab:
BAT

---

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic model evaluation (Methylphenidate hydrochloride)

**CAS Number:** 298-59-9

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### DAY ON TEST

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**Alimentary System**

- **Liver:** Depletion Glycogen + + + + + + + + + + + + + 15
  - Depletion Glycogen: 2
  - Inflammation, Chronic Active: 1 1 1 1 1 1 1 1 1
  - Vacuolization Cytoplasmic: 1 1 1 1 1 1 1 1 1

**Cardiovascular System**

- **Heart:** + 1

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

A ..Autolysis precludes evaluation

X ..Lesion present

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal
2) Mild
3) Moderate
4) Marked
### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

#### Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P53(C57BL/6) Mouse Male | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 500 PPM | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

**ANIMAL ID**

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| 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 0 |

**TOTALS**

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<td>Urinary System</td>
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**END OF MALE DATA***
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Transgenic model evaluation (Methylphenidate hydrochloride)

**CAS Number:** 298-59-9

**Species/Strain:** Mouse/P53(C57BL/6)

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**Alimentary System**

- **Liver:** + + + + + + + + + + + + + + + + 15
- **Inflammation, Chronic Active:** 1 1 1 1 1 1 1 1 2 1 1 1 1 1 2 14 1.1

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

- **Skin:** + 1

**Musculoskeletal System**

NONE

**Nervous System**


---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

A ..Autolysis precludes evaluation

1 4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 10
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*TOTALS  NONE  NONE  NONE  NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

- Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
- Tissue examined microscopically
- Missing tissue
- Lesion present
- Autolysis precludes evaluation
- Insufficient tissue
- Not examined microscopically
- Lesion qualified as:
  1) Minimal
  2) Mild
  3) Moderate
  4) Marked
Experiment Number: 95007-02  
Test Type: 26-WEEK  
Route: DOSED FEED  
Species/Strain: Mouse/P53(C57BL/6)  
Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)  
CAS Number: 298-59-9  
Date Report Requested: 10/17/2014  
First Dose M/F: NA / NA  
Lab: BAT

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**Total Animals examined microscopically:** 15  
**Total Animals with lesion and mean severity grade:**

**Liver**  
Inflammation, Chronic Active: 11 1.1  
Pancreas: + 1

**Cardiovascular System**  
NONE

**Endocrine System**  
NONE

**General Body System**  
NONE

**Genital System**  
NONE

**Hematopoietic System**  
NONE

**Integumentary System**  
Skin: + + 2  
Hair Follicle, Atrophy: 1 1 2 1.0  
Inflammation, Chronic Active: 1 1 1.0

*..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+..Tissue examined microscopically  
M..Missing tissue  
1-4..Lesion qualified as:  
1) Minimal 2) Mild 3) Moderate 4) Marked  
BLANK..Not examined microscopically
**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

Eye

+ 1

Urinary System

NONE
**Experiment Number**: 95007-02  
**Test Type**: 26-WEEK  
**Route**: DOSED FEED  
**Species/Strain**: Mouse/P53(C57BL/6)  
**Test Compound**: Transgenic model evaluation (Methylphenidate hydrochloride)  
**CAS Number**: 298-59-9  
**Date Report Requested**: 10/17/2014  
**First Dose M/F**: NA / NA  
**Lab**: BAT

### DAY ON TEST

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| P53(C57BL/6) Mouse Female |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 250 PPM     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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### Alimentary System

- **Liver**
  - Hepatocyte, Hypertrophy: + + + + + + + + + + + + 15
- Inflammation, Chronic Active: 2 1 2.0

### Cardiovascular System

- **NONE**

### Endocrine System

- **NONE**

### General Body System

- **NONE**

### Genital System

- **NONE**

### Hematopoietic System

- **NONE**

### Integumentary System

- **NONE**

### Musculoskeletal System

- **NONE**

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
M ..Missing tissue
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
1) Minimal 2) Mild 3) Moderate 4) Marked
Experiment Number: 95007-02
Test Type: 26-WEEK
Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Transgenic model evaluation (Methylphenidate hydrochloride)

CAS Number: 298-59-9

Date Report Requested: 10/17/2014
First Dose M/F: NA / NA
Lab: BAT

### Nervous System
- **NONE**

### Respiratory System
- **NONE**

### Special Senses System
- **NONE**

### Urinary System
- **NONE**

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* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
- ..Lesion present
X ..Insufficient tissue
I ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
- 1) Minimal
- 2) Mild
- 3) Moderate
- 4) Marked
**Test Compound:** Transgenic model evaluation (Methylphenidate hydrochloride)  
**CAS Number:** 298-59-9

### Alimentary System

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Total: 10

### Cardiac System

NONE

### Endocrine System

NONE

### General Body System

NONE

### Genital System

NONE

### Hematopoietic System

NONE

### Integumentary System

NONE

### Musculoskeletal System

NONE

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

M ..Missing tissue

A ..Autolysis precludes evaluation

1) Minimal 2) Mild 3) Moderate 4) Marked

---

**Page 16**
Experiment Number: 95007-02
Test Type: 26-WEEK
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CAS Number: 298-59-9

Date Report Requested: 10/17/2014
First Dose M/F: NA / NA
Lab: BAT

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

** END OF REPORT **