

MICE
l.p. 150
I

Effect of various amounts of Troplasmoid in mice by intraperitoneal route.

DRUG: S.N.13058-17-(53% base)-8-(3-diethylamino propyl amino)2-methylquinoline-Di-hydroarsinide.
Stock Solution: 1887 mg/100 c.c. = 18.87 mg base/c.c.

MICE: Maxfield albina approximately 10 GM at the beginning of experiment.

| GROUPS AND PARTIAL SOLUTIONS -- | c.c. | SOLUTIONS | | Stock Sol. 10 DAYS |
|---|-------------|-------------------|--------|--------------------|
| | | Stock S. | SALINE | |
| 2mg - A - 10 mice - 200 mg. base/kilo/day | 0.5 bid. of | 1-1.2 cc + 4.8 cc | 100. | 24. c.c. |
| 4mg - B - 10 mice - 400 mg. base/kilo/day | 0.5 bid. of | 2-2.4 cc + 3.6 cc | 200. | 48. c.c. |
| 10mg - C - 10 mice - 1000 mg. base/kilo/day | 0.5 bid. of | 5-6 cc + 0 cc | 500. | 60. c.c. |
| <u>Total Stock Sol.</u> | | | | 192 c.c. |

To prepare 200 c.c.: 100 c.c. for each five days.

Amount of drug for 100 c.c.: 1887 mg.

Total: 3774 mg.

Inoculations - Intraperitoneally at approximately 9 am and 5 pm

Observations - Each group of 10 mice will be weighed daily before 9 am. and deaths or abnormal signs recorded.

Drug started at: September 27-

100 mg base/kilo or 1 mg/10 gm. mouse tolerated

2 mg/20 gm mouse?

ISOPLASMOCID INTRAPERITONEAL IN MICE

9/27

Group A
1 Dose 5mg

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| ↓ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D |

Total wt: 88.5
Average: 8.8

Group B
1 Dose 2mg

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ↓ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | D | D | D | D | D | D | D | D | D |

Total wt: 88
Average: 8.8

Group C
1 Dose 1mg
bid

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D |

Total wt: 47 38 13 13.5 19 23 25 25.5 24.5 25 24 25 25 25.5 26 12 12.5
Average: 9.4 9.2 6.5 6.7 9.5 11.5 12.5 12.5 12.2 12.2 12 12.5 12.5 12.5 13 12

Group D
1 Dose 0.5mg

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D |

Total wt: 49 53.5 56 58.5 63 64 66 71 70 72 76 80 81 83 85 85 85
Average: 9.8 10.7 11.2 11.7 12.6 12.8 13.2 14.2 14 14.4 15.1 16 16.2 16.6 17 17

SEPT. 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14
OVER-

September 27, 1948

Group A - Single dose of 5 mg. base/10 GM mouse,
or 500 mg base/kilo -

All mice in this group appeared prostrate and with progressive slowing of respiration, immediately after injection and died within two minutes.

Group B - Single dose of 2 mg. base/10 GM mouse,
or 200 mg. base/kilo

All mice in this group appeared with progressive prostration and slowing of respiration, after injection. One died (one) minute after injection. Another one, 3 (three) minutes after injection and seven, within 7 (seven) minutes after injection. Pilomotor.

Group C - Single dose of 1 mg. base/10 GM. mouse,
or 100 mg base/kilo.

Progressive prostration and slowing respiration after injection. One died 21 minutes after injection.

On the others, one raised up 30 minutes after his total prostration, about 35 minutes after injection, ataxic, and falling off cage cover. ^{Can} Close the eyes. All the others raised up ^{at} 1 hour after injection. Three hours after injection all living mice are disinclined to move but no ataxic and didn't fall from cage cover. No paralysis on eyelids was observed in any mouse. Pilomotor on all mice. Pristotomus.

Group D Single dose of 0.5 mg base/10 GM mouse,
or 50 mg base/kilo.

No prostration but slowing of respiration and ataxia was observed in this group. 30 minutes after injection all mice appeared normal. No paralysis on eyelids. Pilomotor on all mice. One excited after injection. (yellow back) Sometimes pristotomus.

September 28, 1948

Group C - Normal anorexia before injection (940)
After injection A.M. all animals
prostrate or raised up within
4 minutes.

P.M. after injection (1650) all animals prostrate with slowing respiration. One mouse died 20 minutes after injection - 2 raised up 1 hour 20 mi-

notes after - The another 2 mouse
still prostrate, with slowing respira-
tion.

Group D - All mice in normal position
mild ataxia on one mouse, after injec-
tion only few moments.

September 29, 48

Group C - A.M. normal condition but ptomops.
One died after injection. Another one
didn't raised up just 35 minutes after
injection.
P.M. - all living. Normal.

Group D - A.M. Normal.
P.M. No deads after injection.

September 30, 48

Group C - All mice, losing weight.

Group D - A.M. Normal.

September 30, P.M. All animals, without symptoms
after injection
C-D. -

October

- 1 - Same
- 2 - Same - Weight on amount (especially C.)
- 3 - Same - Weight: amounting
- 4 - weight amounting.
- 5 - Same.
- 6 - Same.
- 7 - O.K.
- 8 - O.K.
- 9 - O.K.