Compound: Brodifacoum. WBA 8119

Citation:
The Acute Oral Toxicity of WBA 8119 to the Domestic Pig
D.B. Ross, Huntingdon Research Center, Report No. SRX/2/7670
Jan 27, 1976.

Reviewed by: Robert P. Zendzian PhD
Pharmacologist

Core Classification: Supplementary
Tox Category: I

Conclusion:
The LD50 was estimated as between 0.5 and 2.0 mg/kg.

Materials:
WB 8119 (brodifacoum)
Large white pigs from a local pig breeder.

Methods:
Compound was administered orally by gravage in polyethylene
glycol 300. Two animals per dose were dosed at 0.5, 1.0, 2.0,
5.0 or 10 mg/kg. Animals were observed for 21 days. Animals
were sacrificed in extremis or at termination and necropsied.

Results:
All animals died except one at 0.5 and two at 1.0 mg/kg.
Deaths occurred 3 to 18 days postdose. LD50 was estimated as
between 0.5 and 2.0 mg/kg. Animals appeared normal until
about four hours before death when some loss of muscle
function and mild convulsions were observed. Bleeding from
the nose, ears and rectum was observed immediately prior to death.
Necropsy revealed signs of internal bleeding in the animals
that died.
Table 2. Male and Female Cats

<table>
<thead>
<tr>
<th>Dose (mg/kg)</th>
<th>5.00</th>
<th>10.00</th>
<th>25.00</th>
<th>50.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>(no. died/no. treated)</td>
<td>0/2</td>
<td>0/2</td>
<td>1/2</td>
<td>0/2</td>
</tr>
</tbody>
</table>

LD50 estimated at 25mg/kg

The animal that died was not necropised. Animals at 50mg/kg showed subdued behavior and loss of appetite at about two weeks but were normal at 4 weeks.