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Category E Explanation

1. **Registration Number:** 34-R-0017

2. **Number of animals used in these studies:** 3

3. **Species (common name) of animals used in the study:**

Onychomys torridus (southern grasshopper mice)

4. **Explain the procedure producing pain and/or distress:**

Standard test for pain-related behavior in rodents: intra-plantar injection/hind paw licking test.

5. **Provide an explanation with the reason(s) for why anesthetics, analgesics and tranquilizers could not be used:**

This study documents pain-related paw licking behavior in grasshopper mice in response to the venom of one of their prey items, tarantulas. Analgesics would prevent, block or mask the pain-related behavior we are trying to measure.