



SN - De246/22/210505

CENTRE FOR PLANT MEDICINE RESEARCH
PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/101/21	Decoction	5 th May, 2021	12 th July, 2021	Dermal Toxicity Test

An area of hair on the lateral portion of the rats (about 9 cm²) was trimmed and shaved with a razor. The rats were divided into 3 groups (n=5). Groups one was injected intradermally with 0.1 ml of 1% w/v of the freeze-dried sample of the decoction in glycerol, group two with 0.1 ml of 5% w/v of the sample dissolved in glycerol and group three as control was treated with only 0.1 ml glycerol. The decoction was applied topically (0.5 ml-1.0 ml) to the shaved area of the first two groups of rats and the animals were observed for a period of 48 hours for signs of ulceration, irritation and/or inflammation as compared to the control groups.

RESULTS:

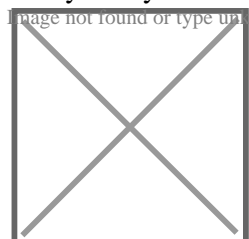
Experimental rats in groups 1 and 2 that received 0.1 ml intradermal injection of the freeze-dried sample of the decoction dissolved in glycerol at 1% and 5% w/v respectively, showed no ulceration, irritation and/or inflammation at the site of injection. This indicates that even at a high level of 5% w/v the freeze-dried sample of the decoction did not appear to cause erythema to the skin of the animal. A similar observation was made for the topical application.

REMARKS:

The decoction appears to be safe when applied to the skin.

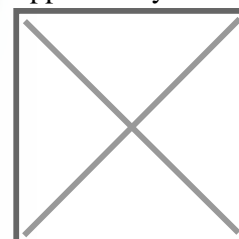
Analysed by

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