

SN - De226/22/210424

CENTRE FOR PLANT MEDICINE RESEARCH
PHARMACOLOGY & TOXICOLOGY DEPARTMENT

Product Code	Product Form	Date Received	Date Analysed	Test Conducted
De/090/21	Decoction	27 th April, 2021	18 th June, 2021	Acute Toxicity Test

RESULTS:

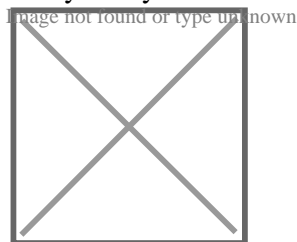
Table Showing Results of Acute Toxicity Test on Decoction (De/090/21) in Wistar Rat.

Animal Model	Wistar Rat
No. of Animals	12
Sex	Females
No. of Groups	2 (n=6)
Route of Administration	Oral
Formulation	Decoction
Preparation	Freeze-dried sample of De/090/21
Dose Administered	5000 mg/kg
Period of Observation	14 Days
No. of Deaths Recorded	Nil
Estimated Median Lethal Dose (LD ₅₀)	Greater than 5000 mg/kg
Physical Sign of Toxicity	Nil

REMARKS:

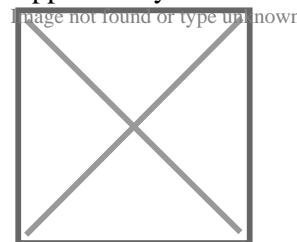
The LD₅₀ is estimated to be greater than 5000 mg/kg which is greater or equal to level 5 on the Hodge and Sterner Scale¹ and also 894 times more than the recommended dose (3 tablespoonful 3 times daily after meal equivalent to 5.59 mg/kg), as indicated by the manufacturer. Thus, De/090/21 may not be toxic and is within the accepted margin of safety (Hodge and Sterner Scale) at the recommended dose.

Analysed by



Mr. Stephen Antwi
Research Scientist

Approved by



Dr. Orleans Martey
Snr. Research Scientist

Reference: 1- Canadian Centre for Occupation Health and Safety (2019)