

HYPOGLYCEMIC EFFECT
OF MOMORDICA CHARANTIA LINN. IN RABBITS.

BY

KAMPANAT PRAPHAPRADITCHOTE



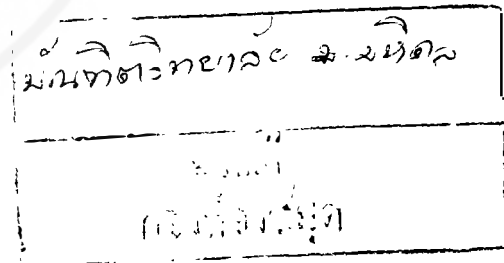
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SUMMARY

The administration of 400 mg/kg and 1,200 mg/kg lyophilized-water extract, which equivalent to 24.54 g/kg and 73.62 g/kg of fresh fruit respectively, did not cause a decrease in blood glucose level of normal and alloxan-induced diabetic rabbits. Hypoglycemic action of *M. charantia* L. was observed in the fraction of acidified-water chloroform extract. This fraction was detected to be a steroidal glycoside. The dose of 5 mg/kg of this fraction failed to produce a significant hypoglycemic action in diabetic rabbits. But the dose of 10 mg/kg produced a significant decrease at eight hours and the dose of 20 mg/kg produced a significant decrease at four hours. The pattern of action was not similar to tolbutamide or insulin.