

**P-INSULIN STRUCTURE DEVELOPMENT FROM MOMORDICA
CHARANTIA LINN
“THE AFRICAN CUCUMBER”: A HERB USED FOR TREATMENT
OF DIABETES MELLITUS**

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There has been extensive research reported on the fruit and seeds of *Momordica charantia* (M.c) Linn (Cucurbitaceae). The current research project studies the chemical structure and the anti-hyperglycemic activity of the polypeptide P-insulin, a mimetic of insulin reported to be present in *Momordica charantia*. Five fractions of plant extract were obtained from fruit and seeds of *Momordica charantia* and analyzed by infrared spectroscopy, 1Dimensional $^1\text{H-NMR}$ and 1Dimensional $^{13}\text{C-NMR}$ in D_2O , and uv-vis spectroscopy. The results from the NMR suggest the presence of alanine, serine, or threonine in the preparations.