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(54) Title: USE OF A TRPM5 INHIBITOR TO REGULATE INSULIN AND GLP-1 RELEASE

(57) Abstract: The present invention is directed to methods of enhancing insulin release, GLP-1 release, and insulin sensitivity, methods of increasing insulin gene expression, methods of decreasing gastric secretion and emptying and glucagons secretion, and methods of inhibiting food intake, and methods of treating diabetes mellitus, insulin resistance syndrome, hyperglycemia, and obesity comprising administering to a subject an effective amount of a TRPM5 inhibitor.