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(54) **Title:** COMPOSITIONS AND METHODS FOR TREATMENT AND PREVENTION OF HYPERURICEMIA RELATED HEALTH CONSEQUENCES

(57) **Abstract:** Disclosed herein are methods of delaying the onset or treating diabetes that comprises administering a uric acid lowering agent. The inventors have made the remarkable discovery that elevated uric acid levels are not a corollary to insulin resistance, but rather a primary mediator of insulin resistance. Specifically exemplified are methods that involve administering to a patient susceptible to development of diabetes a composition comprising a uric acid lowering agent in a regimen that maintains serum uric acid levels below at least 5.5 mg/dl, or below at least 5.2 mg/dl.



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