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(54) Title: GLYCINAMIDE DERIVATIVE FOR INHIBITING HIV REPLICATION

(57) Abstract: The present invention relates to the discovery of a novel class of compounds that inhibit the replication of human immunodeficiency virus (HIV) and approaches to identify these compounds. More specifically, it has been found that enzymatically prepared alpha-hydroxyglycinamide and synthetically prepared alpha-hydroxyglycinamide inhibit the replication of HIV in human serum. Embodiments include methods to identify modified glycinamide compounds that inhibit HIV, methods to isolate and synthesize modified glycinamide compounds, and therapeutic compositions comprising these compounds.

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