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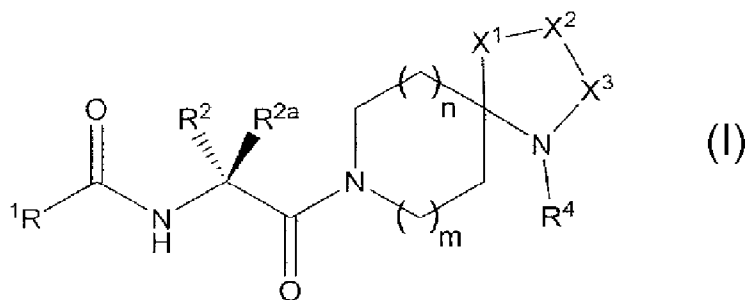
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(54) Title: SUBSTITUTED SPIROCYDIC INHIBITORS OF AUTOTAXIN



(57) Abstract: The present invention relates to compounds according to Formula 1 and pharmaceutically acceptable salts, synthesis, intermediates, formulations, and methods of disease treatment therewith, including cancer, lymphocyte homing, chronic inflammation, neuropathic pain, fibrotic diseases, thrombosis, and cholestatic pruritus, mediated at least in part by ATX.