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(54) Title: SMALL MOLECULE TOLL-LIKE RECEPTOR (TLR) ANTAGONISTS

(57) Abstract: The invention provides methods and compositions useful for modulating signaling through Toll-like receptors. The methods involve contacting a TLR-expressing cell with a small molecule having a core structure including at least two rings. Certain of the compounds are 4-primary amino quinolines. Many of the compounds and methods are useful specifically for inhibiting immune stimulation involving at least one of TLR9, TLR8, TLR7, and TLR3. The methods may have use in the treatment of autoimmunity, inflammation, allergy, asthma, graft rejection, graft versus host disease, infection, sepsis, cancer, and immunodeficiency.

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