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(54) **IMIDAZO [1,2-A]PYRIDINE COMPOUNDS, SYNTHESIS THEREOF, AND METHODS OF USING SAME**

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See application file for complete search history.

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(57) **ABSTRACT**

Embodiments relate to the field of chemistry and biochemistry, and, more specifically, to imidazopyridine compounds, synthesis thereof, and methods of using same. Disclosed herein are various imidazo[1,2-a]pyhdine compounds and methods of using the novel compounds to treat or prevent tuberculosis in a subject or to inhibit fungal growth on plant species. Other embodiments include methods of synthesizing imidazo[1,2-a]pyridine compounds, such as the disclosed imidazo[1,2-a]pyridine compounds.

19 Claims, 58 Drawing Sheets