NON-TUBERCULOSIS MYCOBACTERIA INFECTION TREATMENT

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Provisional Patent Application No. 63/286,989 filed December 7, 2021, the content of which is hereby incorporated by reference, in its entirety, for all purposes.

BACKGROUND OF THE INVENTION

[0002] There is a need for improved methods of treating non-tuberculosis *Mycobacteria* (NTM) infections in human subjects.

BRIEF SUMMARY

[0003] In one aspect, the present disclosure provides use of epetraborole or a hydrate, solvate, or pharmaceutically acceptable salt thereof, in the manufacture of a medicament for use in combinatorial therapy for achieving a positive therapeutic response against a non-tuberculosis *Mycobacteria* (NTM) infection in a human subject in need of treatment thereof, wherein said medicament is to be administered in combination with ethambutol or a hydrate, solvate, or pharmaceutically acceptable salt thereof. In one example, the disclosure provides a method of achieving a positive therapeutic response against an infection by non-tuberculosis *Mycobacteria* (NTM), comprising: administering epetraborole to a human subject in need of treatment thereof with a dosage regimen comprising: an oral dose of the epetraborole, of between about 250 mg and about 1000 mg, administered on the first day of the dosage regimen and the oral dose is administered daily or every other day, wherein the dosage regimen lasts until the positive therapeutic response is achieved.

DETAILED DESCRIPTION OF THE INVENTION

I. Definitions

[0004] In order that the application may be more completely understood, several definitions are set forth below. Such definitions are meant to encompass grammatical equivalents.

[0005] The term "about" in relation to a reference numerical value can include the numerical value itself and a range of values plus or minus 10% from that numerical value. For example, the amount "about 10" includes 10 and any amounts from 9 to 11. For example, the term "about" in relation to a reference numerical value can also include a range of values plus or minus 10%, 9%, 8%, 7%, 6%, 5%, 4%, 3%, 2%, or 1% from that value.

[0006] Specific embodiments disclosed herein can be further limited in the claims using "consisting of" or "consisting essentially of" language. When used in the claims, whether as