Mycobacterium abscessus growth inhibitor and model

ABSTRACT

This invention relates to compounds having the generic structure of formula I: X-L-Y-Z I which are useful in the treatment of a bacterial infection caused by Mycobacterium abscessus, where: X is selected from an unsubstituted or substituted phenyl, pyridyl, quinazolinyl, or naphtyl; Y is an unsubstituted or substituted heteroaryl ring system selected from benzimidazolyl, benzothiazolyl, benzofuranyl, quinazolinyl, and naphthyl; Z is selected from H, phenyl and pyridyl, where the phenyl and pyridyl groups are unsubstituted or substituted; L is selected from –CH2NHCOCH2CH2- or -CH2-phenyl-CH2, -CH2-, -NH-pyrrolyl, imidazolyl, and thiazolyl or a pharmaceutically acceptable salt or solvate thereof.

FIG. 13A-B