

COMPOUNDS AND USES THEREOF

ABSTRACT

The present invention provides a metal-organic framework (MOF) that finds utility in the treatment or prevention of hyperphosphatemia, wherein the MOF comprises a plurality of metal ions, each coordinated to a plurality of organic ligands, and wherein the plurality of metal ions comprises Zr^{4+} ions, Fe^{3+} ions, or a combination of Zr^{4+} and Fe^{3+} ions, and the plurality of organic ligands are selected from one or more members of the group consisting of a compound according to formula (I) as defined herein; a C_{2-6} alkane substituted by two carboxylate groups and optionally substituted by one or two OH groups; a C_{4-6} alkene substituted by two carboxylate groups; a benzenedicarboxylate optionally substituted by one or two NH_2 groups; a benzenetricarboxylate; a 5-6 membered heteroaromatic ring comprising 1 or 2 atoms selected from the group consisting of N, S and O, wherein said heteroaromatic ring is substituted by two carboxylate groups; cyclohexane substituted by two carboxylate groups; and cystinate; or a pharmaceutically acceptable salt or solvate thereof. The present invention also provides a pharmaceutical composition comprising a MOF of the present invention.

[Fig. 1]