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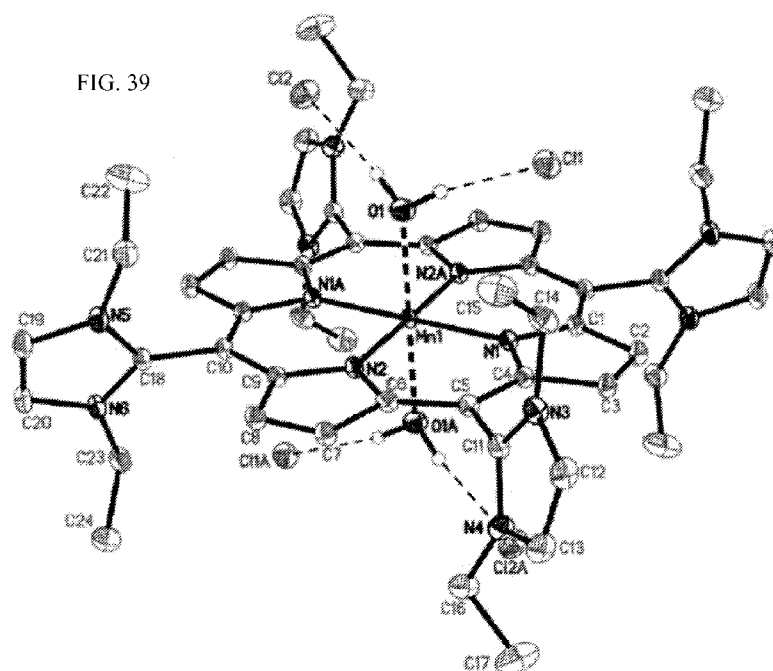
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(54) Title: SYNTHESIS AND FORMULATIONS OF PORPHYRIN COMPOUNDS



(57) Abstract: Provided herein, inter alia, are methods of synthesizing and formulating porphyrins, including manganese containing porphyrins. Also provided herein are pharmaceutical compositions and crystals of porphyrins achieved using the methods described herein. In a first aspect is a method for synthesizing a substituted porphyrin. The method includes contacting a pyrrole with a substituted aldehyde. The contacting is performed in a solvent system that includes a positive azeotrope.



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