

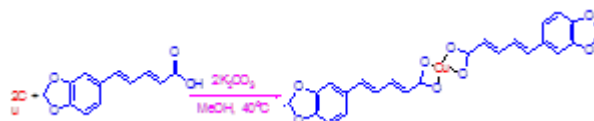
**Synthesis and characterization of copper- piperic acid complex, a novel MOF synthesis**

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**Abstract:** Piperic acid a synthetic analog of Piperine isolated from *Piper nigrum* was subjected to complexation with copper salt. A greenish polycrystalline precipitate of Cu-Piperic acid complex was obtained in appreciable yields. The formation of the complex was confirmed by adopting various spectral techniques viz FTIR, XRD and SEM. The synthesized complex was found to be thermally stable by adopting TGA analysis.



**Key words:** Piperic acid, Complexation, piperine