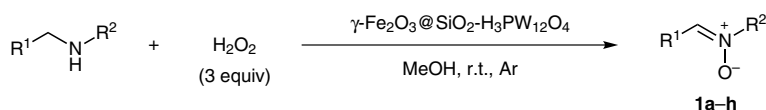
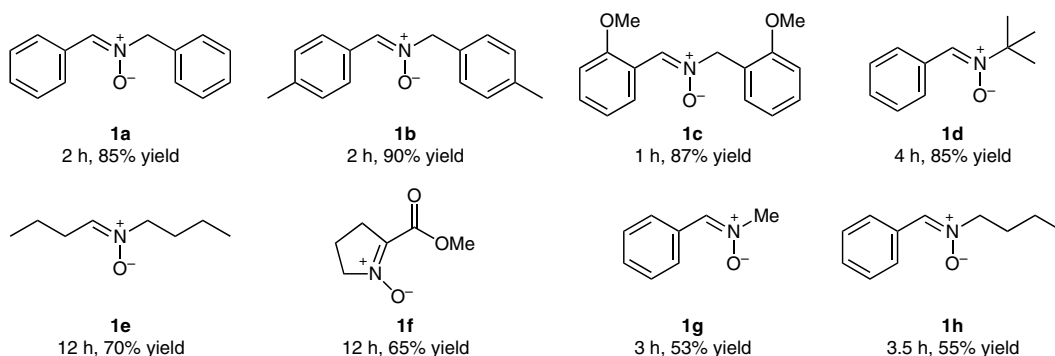


## Preparation of Nitrones Using $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>@SiO<sub>2</sub>-H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>



### Results:



**Significance:** The oxidation of secondary amines by superparamagnetic tungstophosphoric acid supported on silica-encapsulated  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> ( $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>@SiO<sub>2</sub>-H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub>) was carried out with an aqueous hydrogen peroxide as oxidant to give the corresponding nitrones **1a–h** in up to 90% yield.

**Comment:** The  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>@SiO<sub>2</sub>-H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub> nanoparticles were readily recovered by an external magnet and reused three times without significant loss of catalytic activity (1<sup>st</sup> reuse: **1a** 85% yield, 3<sup>rd</sup> reuse: **1a** 80% yield). The authors previously reported the preparation of  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>@SiO<sub>2</sub>-H<sub>3</sub>PW<sub>12</sub>O<sub>40</sub> and its application to the synthesis of formamidines (*J. Mol. Struct.* **2012**, 1027, 156).