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研究快讯

Chemoselective Oxidation of Sulfides with Ammonium Nitrate and Silica Sulfuric Acid Catalyzed by KBr

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摘要 A convenient and selective catalytic method for the sulfoxidation of aliphatic and aromatic sulfides by treatment of NH_4NO_3 , silica sulfuric acid, wet SiO_2 (50% w/w) and a catalytic amount of KBr in CH_2Cl_2 at room temperature was developed. Many sulfides can be selectively oxidized at room temperature in good to excellent yields. The reaction proceeds without over-oxidation to sulfones under mild conditions.

关键词 [sulfide; sulfoxide; chemoselectivity; ammonium nitrate; potassium bromide; silica sulfuric acid](#)