

عنوان مقاله:

Titania Sulfuric Acid/ NaNO_2 as a Novel Heterogeneous System for the Nitration of Phenols under Mild Conditions

محل انتشار:

همایش ملی یافته های نوین شیمی در صنعت پزشکی (سال: 1388)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Nitrophenols can be obtained in moderate to high yields via nitrosation-oxidation of phenols with titania sulfuric acid, NaNO_2 and wet SiO_2 at room temperature. In situ generation of HNO_2 and a radical cation mechanism via the nitrous acid catalyzed (NAC) pathway appear to be applicable to phenol nitration using these reagents

کلمات کلیدی:

Titania sulfuric acid, nitrosation-oxidation, nitration, nitrophenols

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