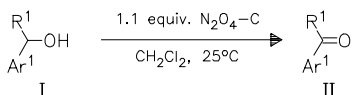



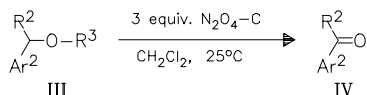



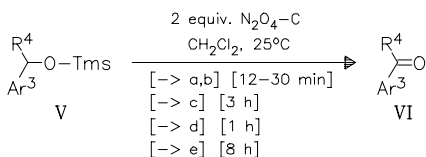
Selective Oxidation of Benzylic Alcohols and Ethers and Oxidative Cleavage of Benzylic Tetrahydropyranyl and Trimethylsilyl Ethers to Their Carbonyl Compounds by Dinitrogen Tetroxide-Impregnated Activated Charcoal (N₂O₄/Car-coal). — The readily available title reagent provides a practical method for the heterogeneous oxidation of benzylic alcohols and ethers to their corresponding carbonyl compounds without any overoxidation reactions under mild and neutral conditions. Moreover, excellent selectivity is observed for the oxidation of benzylic alcohols, ethers and Tms-ethers in the presence of Thp-ethers. — (IRANPOOR*, N.; FIROUZABADI, H.; POURALI, A. R.; *Synth. Commun.* 35 (2005) 11, 1527-1533; Dep. Chem., Shiraz Univ., Shiraz 71454, Iran; Eng.) — H. Toepfel





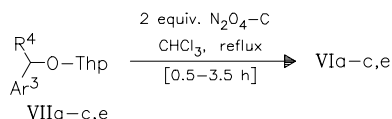
a Ar ¹ : -Ph; R ¹ : -H	90%
b Ar ¹ :  -NO ₂ ; R ¹ : -H	80%
c Ar ¹ :  -O-Me; R ¹ : -H	91%
d Ar ¹ :  -Cl; R ¹ : -H	86%
e Ar ¹ : -Ph; R ¹ : -Et	98%
f Ar ¹ , R ¹ : -Ph	86%
g Ar ¹ : -Ph; R ¹ : -CO-Ph	70%
h Ar ¹ : -Ph; R ¹ : -CH ₂ -OH	90%



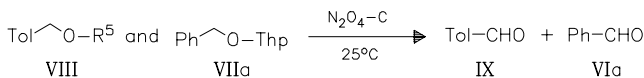
a Ar ² : -Ph; R ² : -H; R ³ : -Me	93%
b Ar ² : -Ph; R ² : -H; R ³ : -Bn	98%
c Ar ² :  -O-Me; R ² : -H; R ³ : -Bu	92%
d Ar ² : -Ph; R ² : -Me; R ³ : -Bu	70%
e Ar ² , R ² : -Ph; R ³ : -Me	75%
f Ar ² , R ² : -Ph; R ³ : -CHPh ₂	0%



a Ar ³ : -Ph; R ⁴ : -H	96%
b Ar ³ :  -O-Me; R ⁴ : -H	98%
c Ar ³ :  -NO ₂ ; R ⁴ : -H	90%
d Ar ³ : -Ph; R ⁴ : -Me	96%
e Ar ³ , R ⁴ : -Ph	83%



a	95%
b	98%
c	70%
e	85%



a R ⁵ : -H	
b R ⁵ : -Tms	

a	90%	0%
b	98%	0%