

Selective oxidation of alcohols and alkenes with molecular oxygen catalyzed by highly dispersed Cobalt (II) decorated 12-tungstosilicic acid-modified zirconia

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Table S1. Effect of Solvent on oxidation of benzyl alcohol over Co/TSA-ZrO₂.

Sr.	Solvent	% Conversion	% Selectivity	
			Benzaldehyde	Benzoic acid
1.	Water	21.9	38	62
2.	Hexane	36.9	>94	6
3	Toluene	43.0	>94	6
4.	Solvent-free	41	>90	10

Conversion is based on benzyl alcohol^a (100 mmol); temperature (90 °C); O₂ balloon 1 atm; amount of Co/TSA-ZrO₂ (100 mg); time (24 h).