Title: The Role of Tungsten Oxide in the Selective Hydrogenolysis of Glycerol to 1,3-Propanediol over $Pt/WO_x/Al_2O_3$

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Highlights

- A primary glycerol alkoxide is formed regardless of the presence of tungsten oxide.
- The adsorption of glycerol is stronger for a catalyst containing tungsten oxide.
- Supported tungsten oxides are not only providing protons to the reaction medium.
- A 1,3-propanediol yield of 38.5 % was reported after 4 h of reaction.
- *In-situ* ATR-IR shows competitive adsorption of glycerol and propanediol on the same active sites.