

Electronical Supporting Information

Thermal stability of TPA template and size- dependent selectivity of uncalcined TS-1 supported Au catalyst for propene epoxidation with H₂ and O₂

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Table 1 The structural properties of TS-1-B and Au/TS-1-B samples

Sample	S_{BET} ($\text{m}^2 \cdot \text{g}^{-1}$)	V_{MP}^{a} ($\text{cm}^3 \cdot \text{g}^{-1}$)	V_{P}^{b} ($\text{cm}^3 \cdot \text{g}^{-1}$)
TS-1-B	45	0.01	0.05
Au/TS-1-B	47	0.01	0.05

^a Micropore volume (V_{MP}) is estimated by t-plot method.

^b Pore volume (V_{P}) is evaluated from the adsorption isotherm at the relative pressure about 0.99.