

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} ($m^2 \cdot g^{-1}$)	V_{MP}^a ($cm^3 \cdot g^{-1}$)	V_p^b ($cm^3 \cdot g^{-1}$)
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.