Deactivation Mechanism of COS Hydrolysis over Potassium Modified Alumina

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Fig. S1  (a) XRD patterns of Na-modified Al₂O₃ samples.

Fig. S2  SEM images of (a, b) Al₂O₃ and (c, d) K₂CO₃/Al₂O₃ catalyst.

Fig. S3  Cyclic stability of blank sample at 70 °C.
Fig. S4  XPS O 1s spectra of fresh and used K$_2$CO$_3$/Al$_2$O$_3$.

Fig. S5  TEM image of used K$_2$CO$_3$/Al$_2$O$_3$. 