## **SUPPLEMENTARY FIGURE**

Eyring plot showing the effect of temperature on the  $k_1^{\rm H}(\bullet)$  and  $k_2^{\rm H}(\blacksquare)$  pathways for the reaction of  $[S_2 MoS_2 Cu(SC_6 H_5)]^{2-}$  with CN in MeCN at 25.0 °C.

