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In situ ¹³C DEPT-MRI as a tool to spatially resolve chemical conversion and selectivity of a heterogeneous catalytic reaction occurring in a fixed-bed reactor

Akpa, Mantle, Sederman, Gladden



Scheme S1 The competing etherification and hydration reactions of 2-methyl-2-butene. The alkene reacts with either methanol or water in the presence of H⁺ cations to produce an ether (*tert*-amyl methyl ether, TAME) or an alcohol (*tert*-amyl alcohol, TAOH).