

**\*Graphical Abstract**

**SORBITOL ( $S = 86\%$ )**

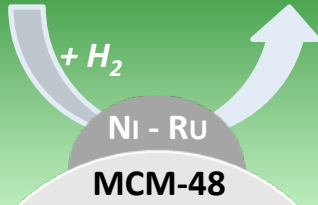
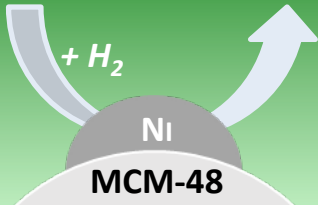
**MANNITOL ( $S = 14\%$ )**

**SORBITOL**

**( $S = 100\%$ )**

**D-GLUCOSE**

**D-GLUCOSE**



**T = 140 °C, P = 2.5 MPa H<sub>2</sub> and t = 90 min**