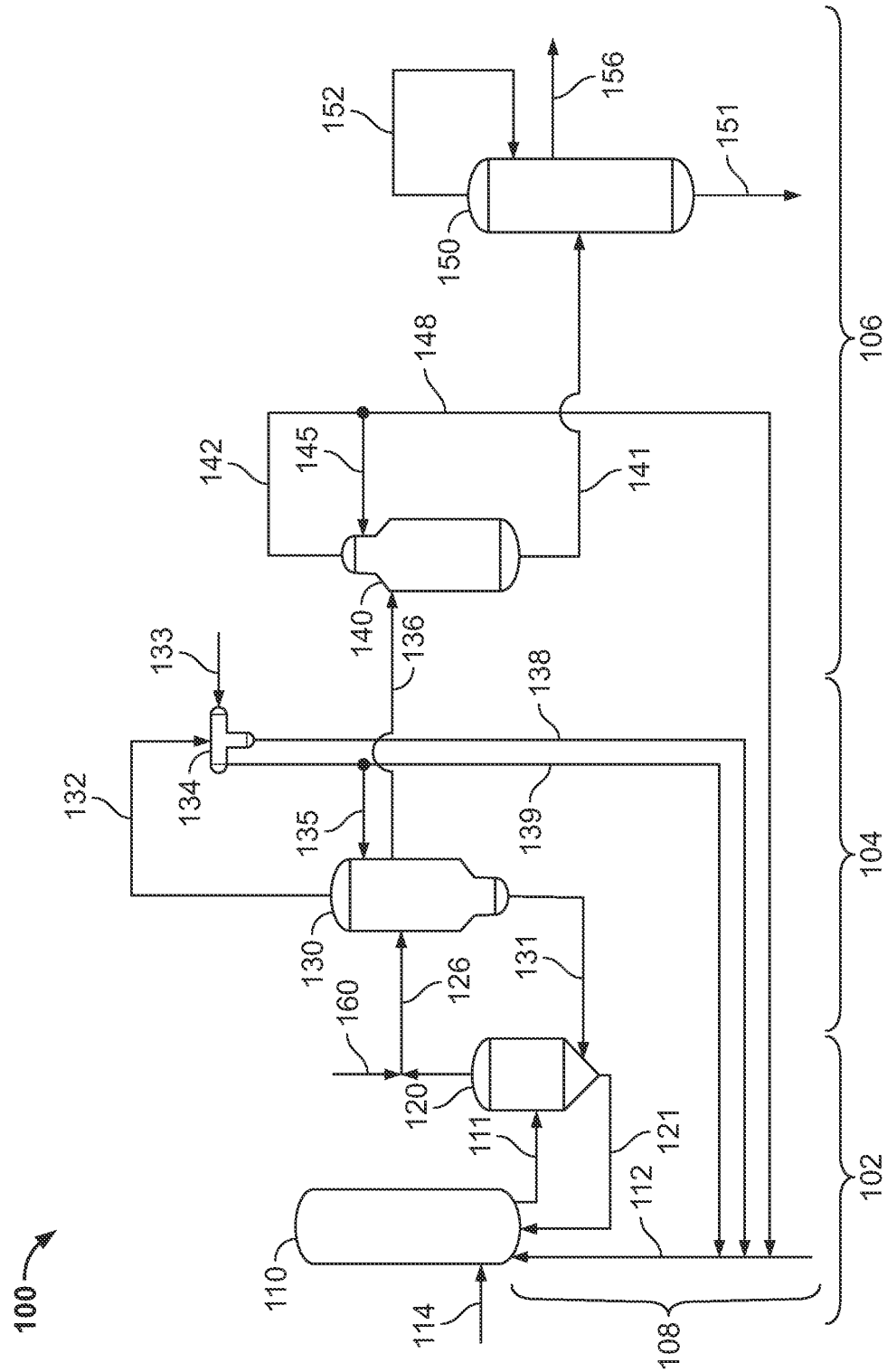




Mel Oxidative Addition to Rh I at Variable H₂O Concentration

FTIR traces at the following times:
0 mins, 50 mins, 120 mins, 180 mins, and 240 mins

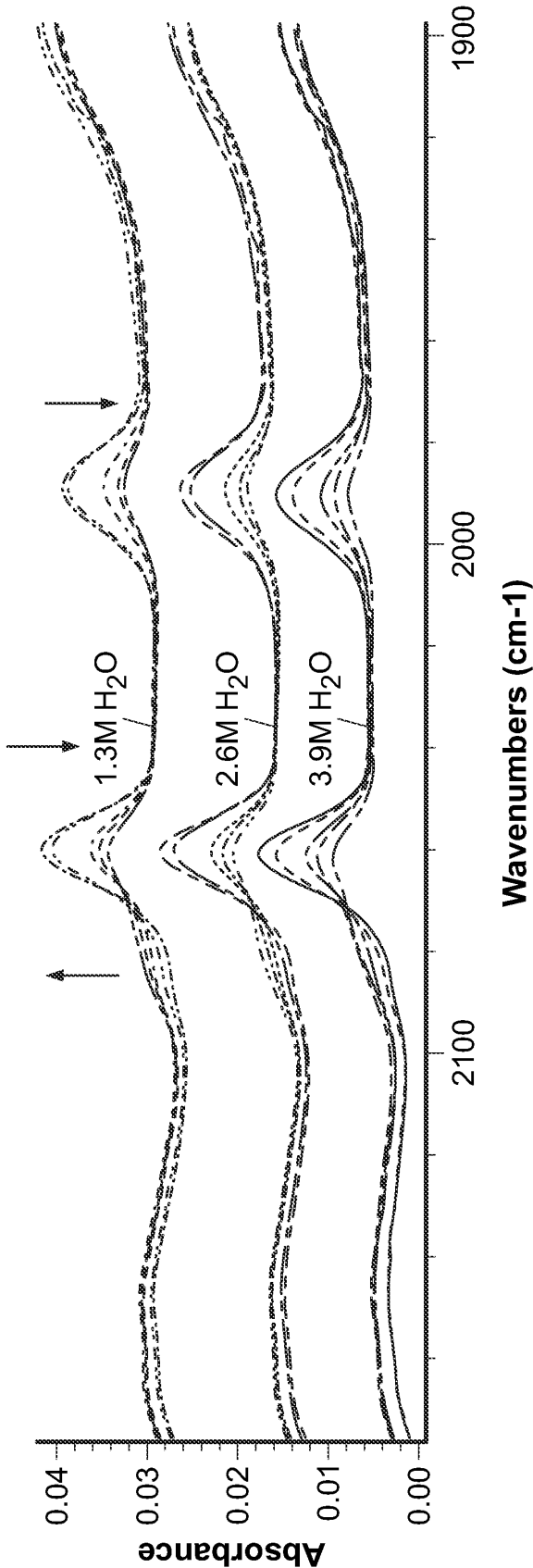


FIG. 2

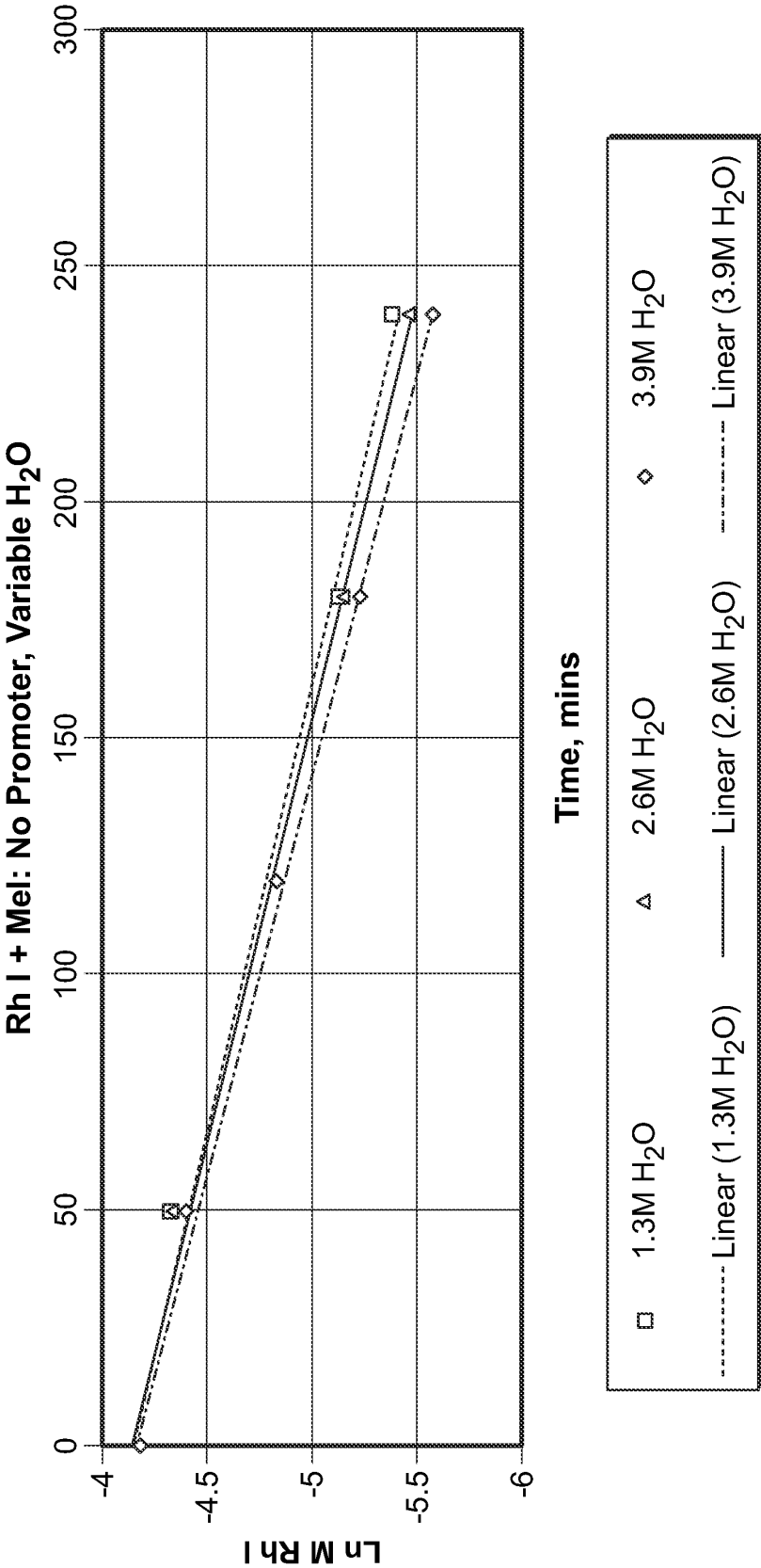


FIG.3

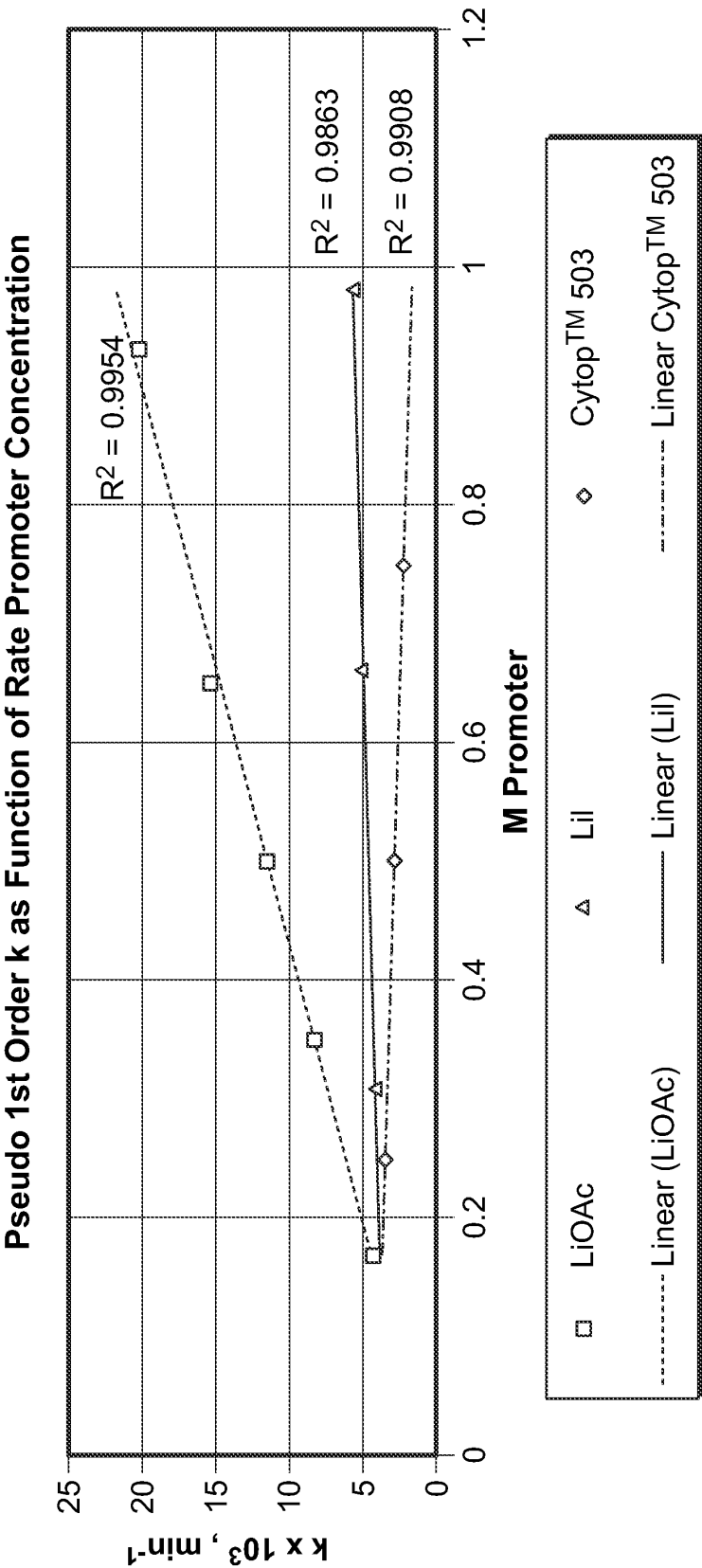


FIG. 4

Comparison of 0.93M LiOAc (Top) and 0.16M DTPA-Na₃Ca (Bottom)

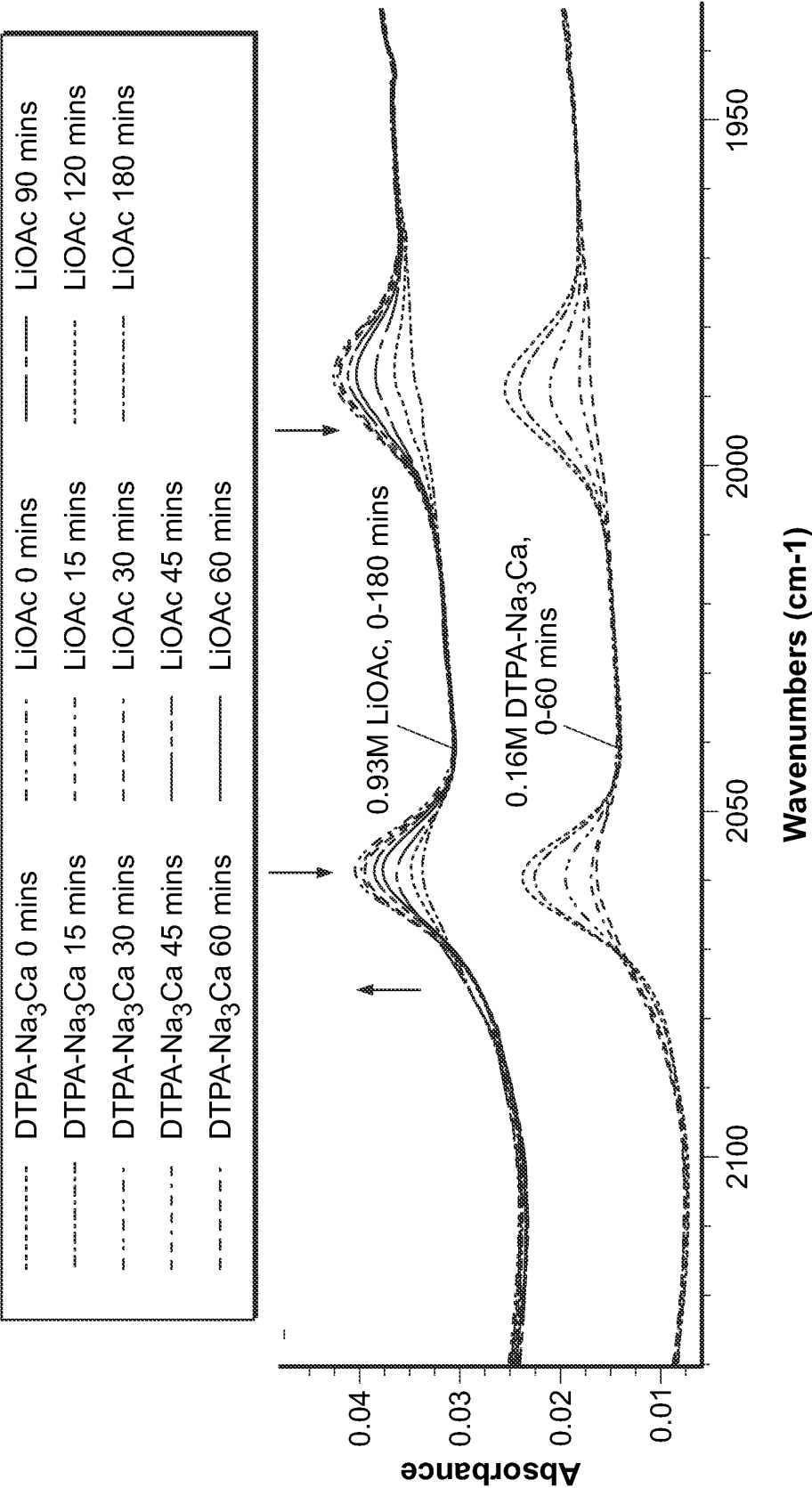


FIG. 5

Comparison of 0.5M LiOAc (Bottom) and 0.033M DTPA-Na₅ (Top) over 0 to 120 Minutes

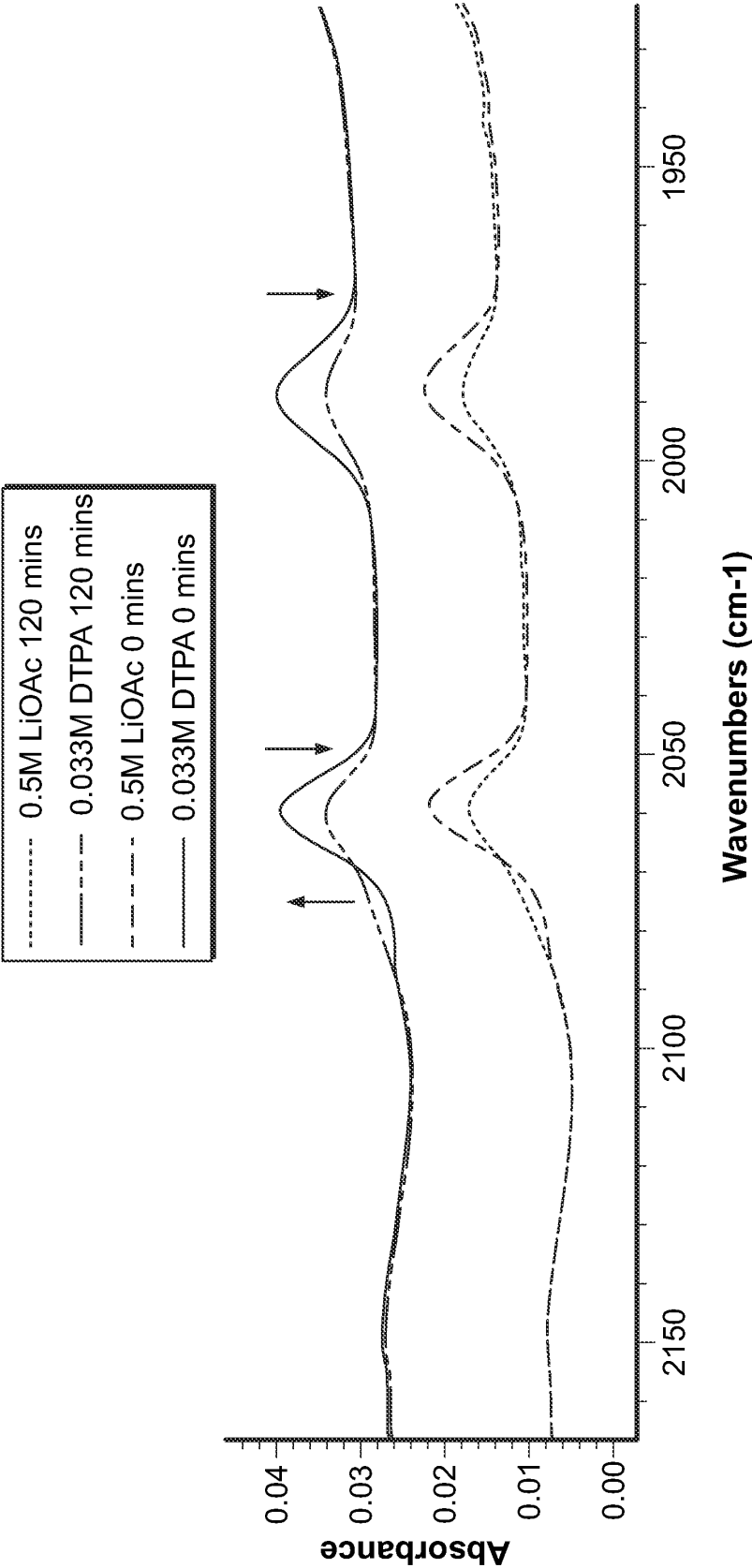


FIG. 6

Effect of Variable DTPA- Na_3Ca Concentrations on Mel Kinetics

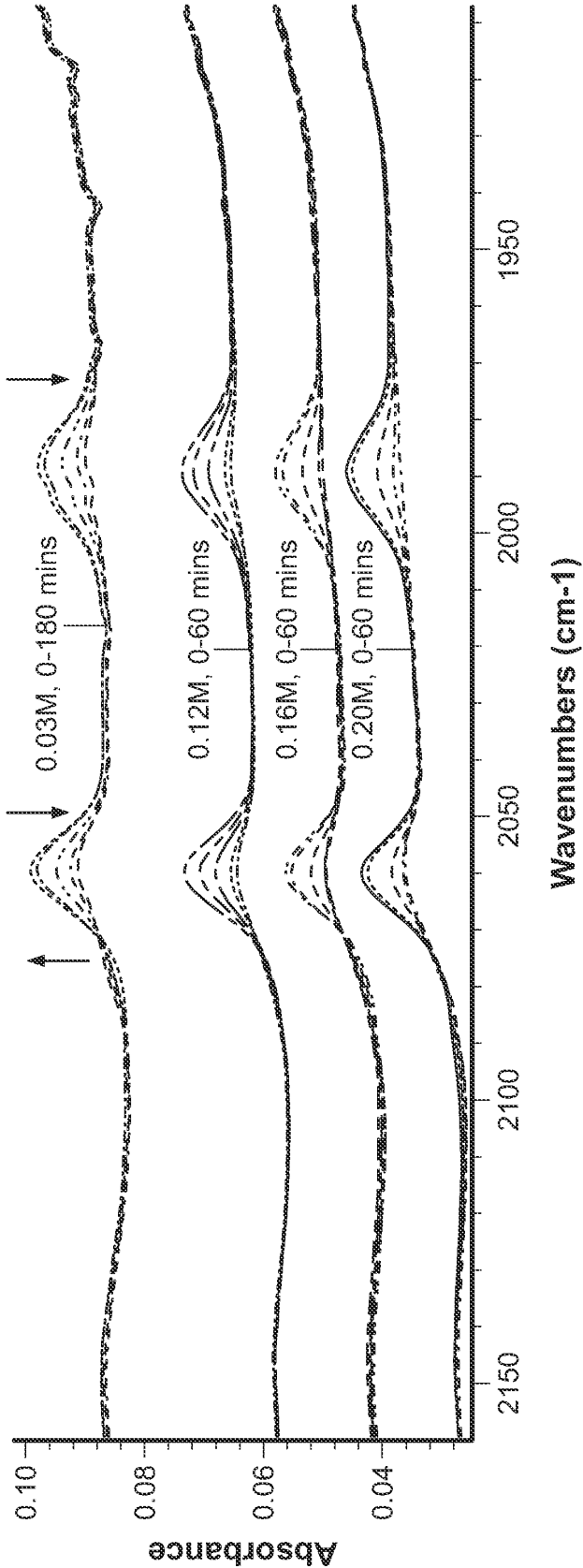


FIG. 7

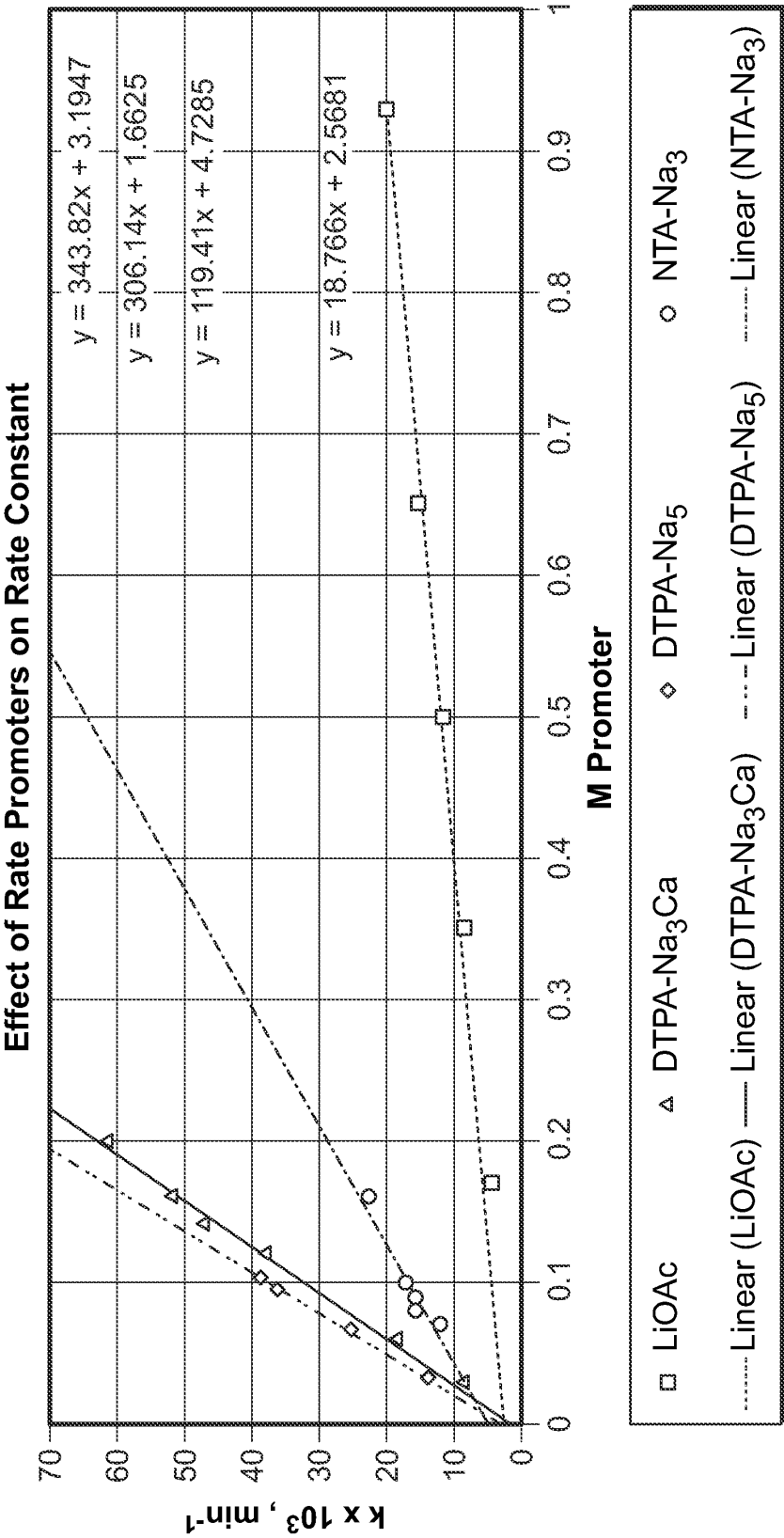


FIG. 8

Oxidative Addition of 0.25M HI to 0.015M Rh I at Variable H₂O Concentration from 0 to 60 Minutes

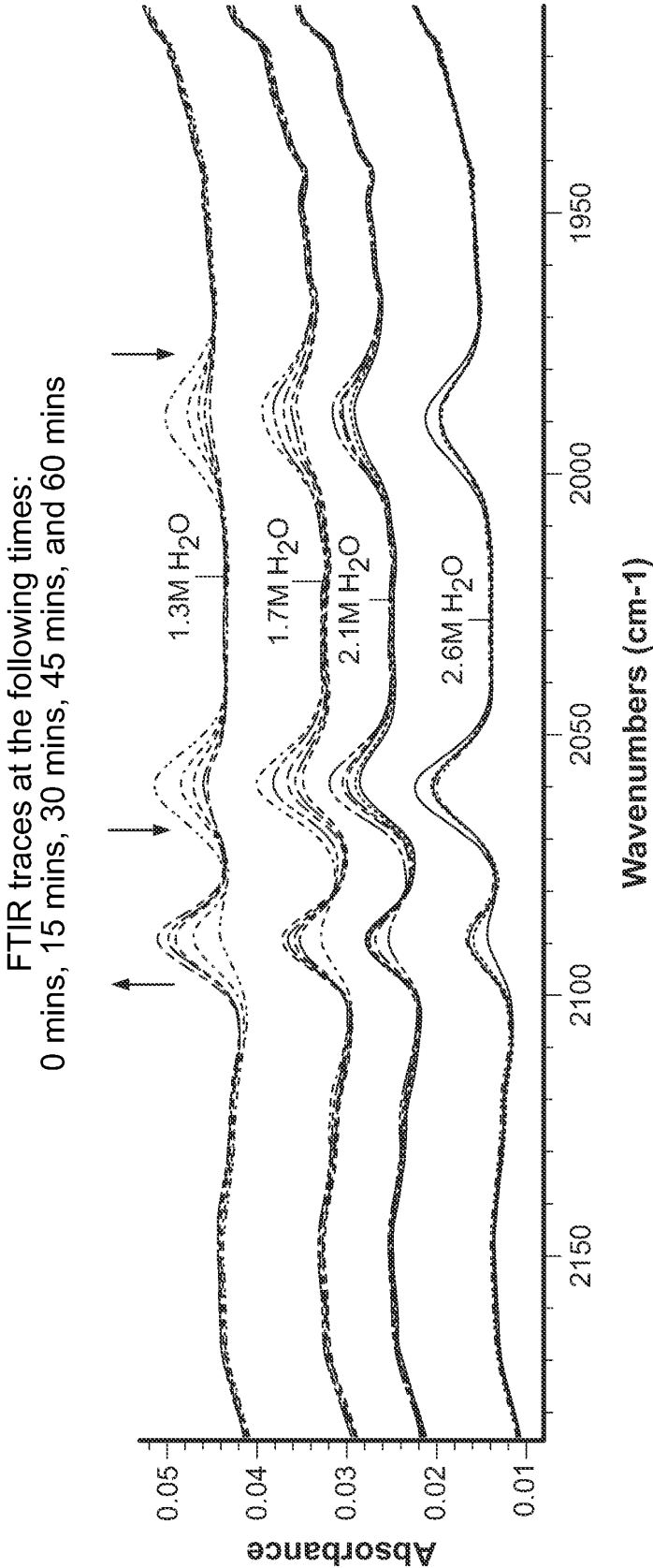


FIG. 9

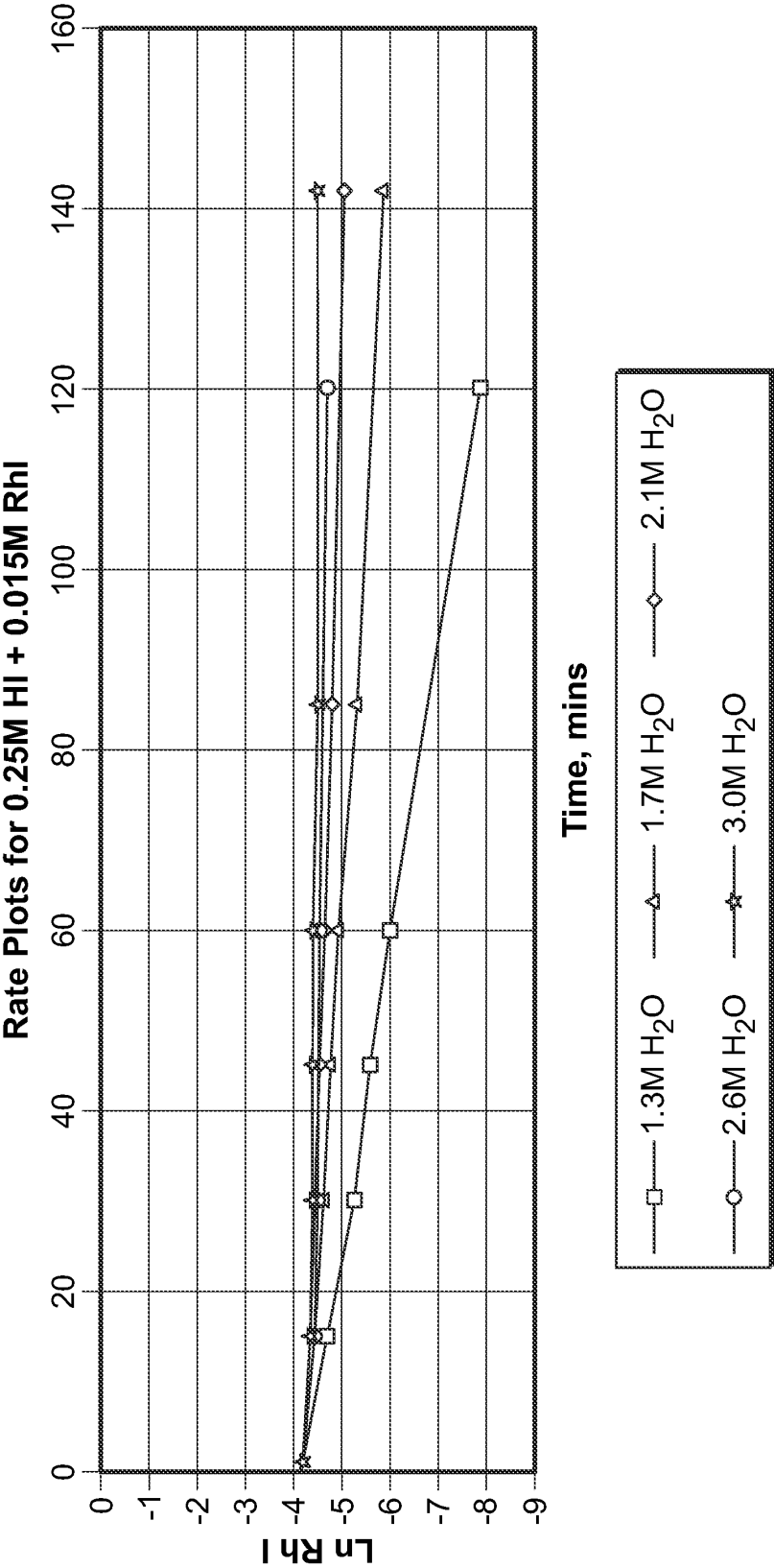


FIG. 10

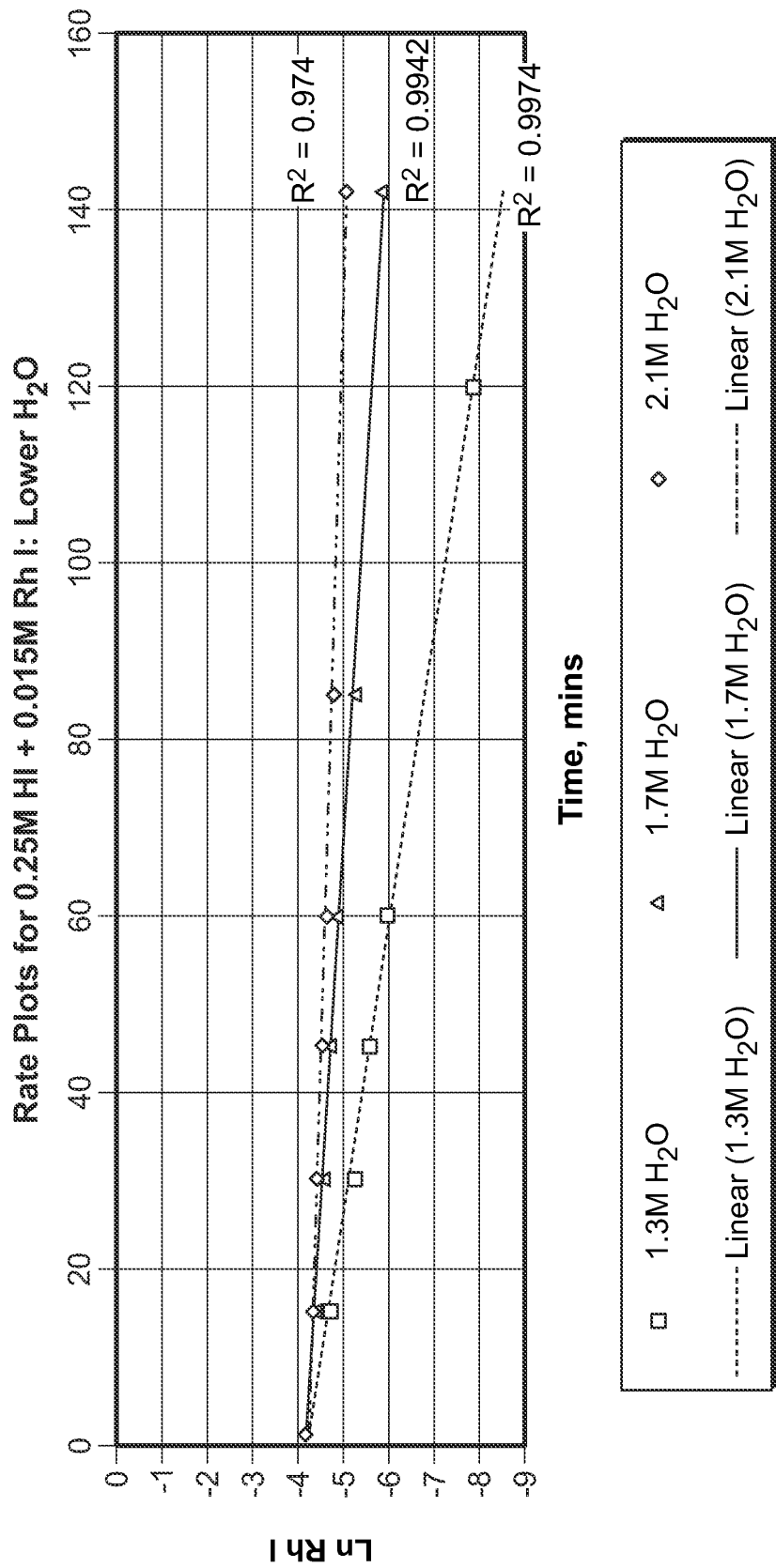


FIG. 11

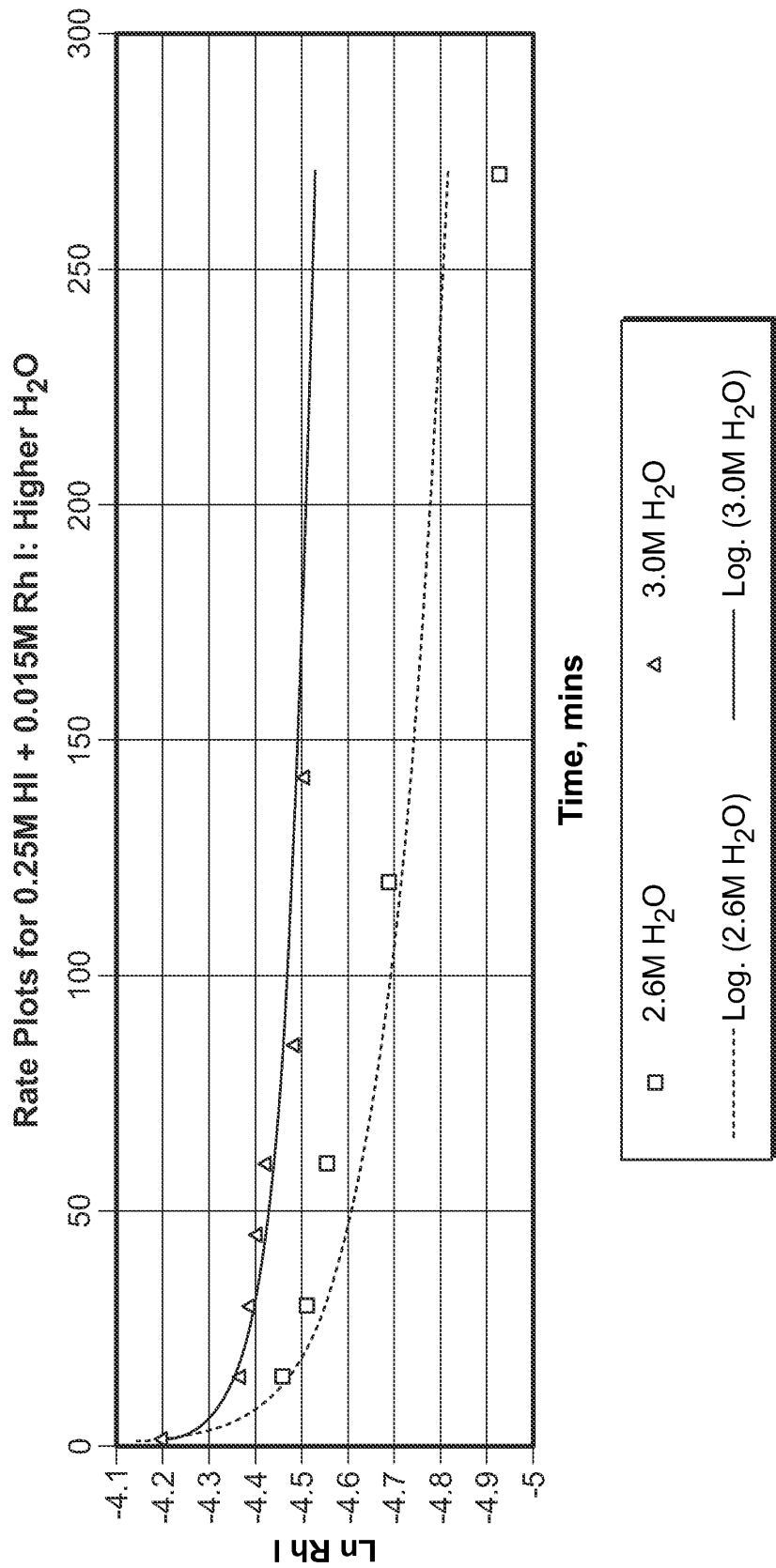


FIG. 12

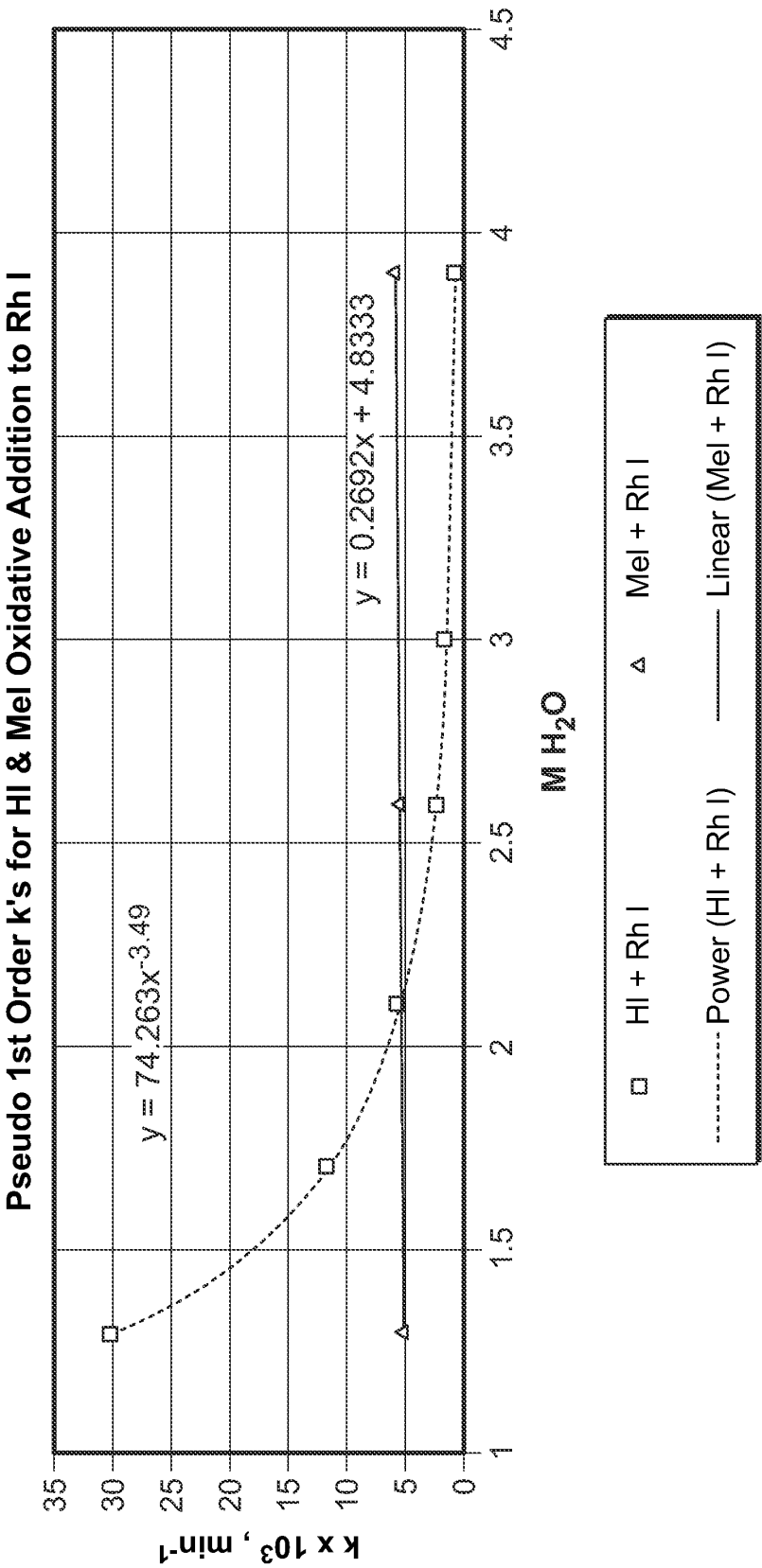


FIG. 13

0.1M HI Oxidative Addition to 0.015M Rh I with and without DTPA-Na₃Ca from 0 to 5 Hours

NoPromoter 0 mins	NoPromoter 310 mins	DTPA-Na ₃ Ca 250 mins
NoPromoter 70 mins	DTPA-Na ₃ Ca 0 mins	DTPA-Na ₃ Ca 310 mins
NoPromoter 130 mins	DTPA-Na ₃ Ca 70 mins	
NoPromoter 190 mins	DTPA-Na ₃ Ca 130 mins	
NoPromoter 250 mins	DTPA-Na ₃ Ca 190 mins	

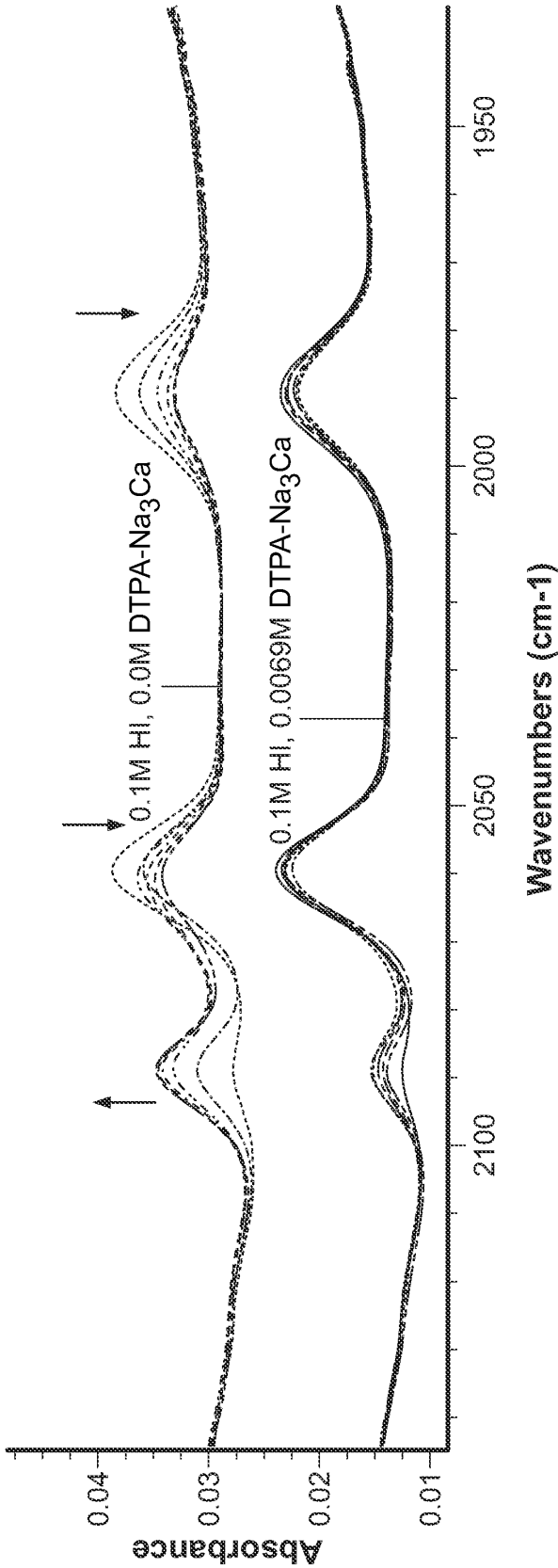


FIG. 14

Effect of Variable DTPA-Na₃Ca Concentration on HI Oxidative Addition to Rh I

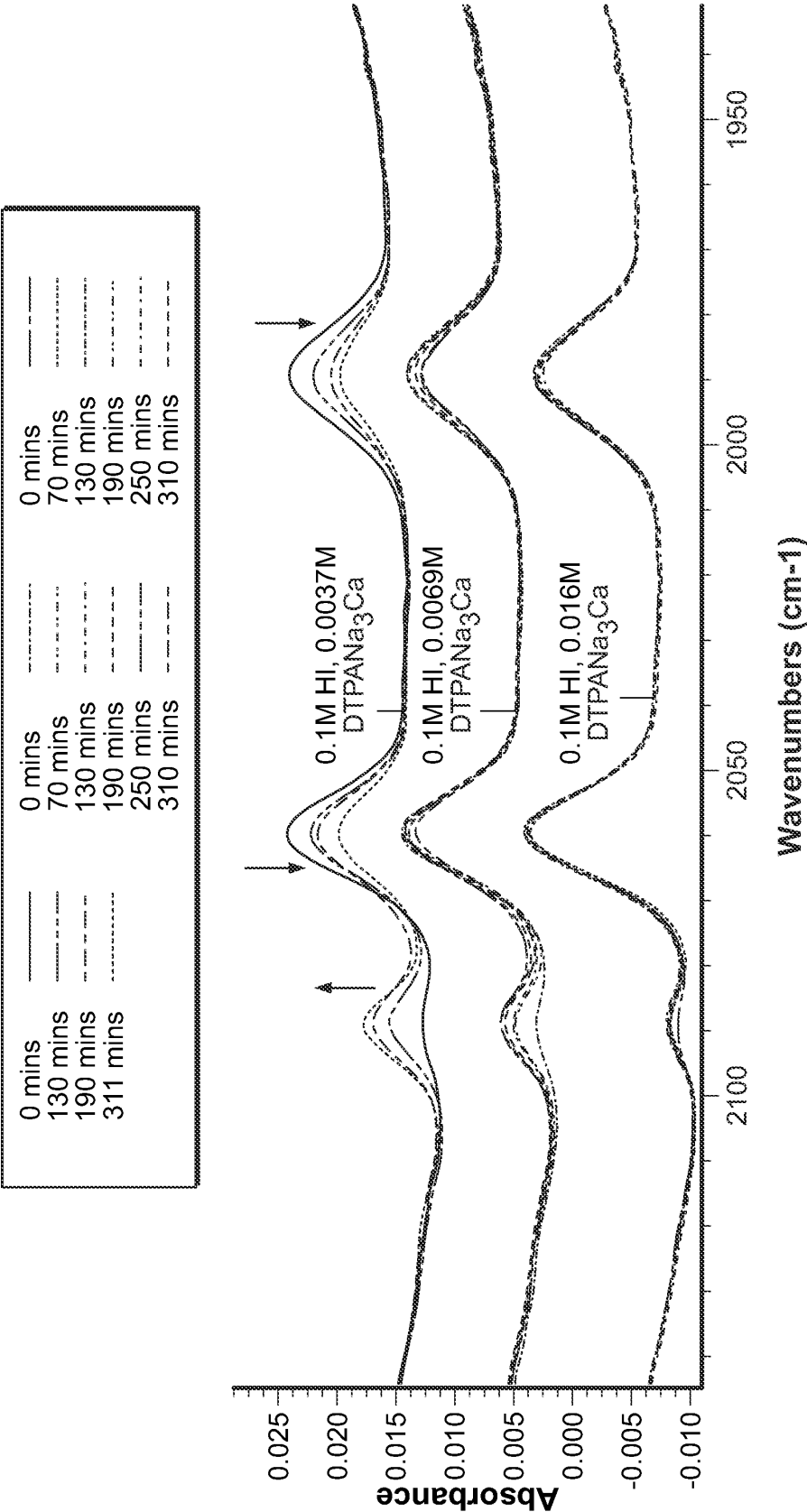


FIG. 15

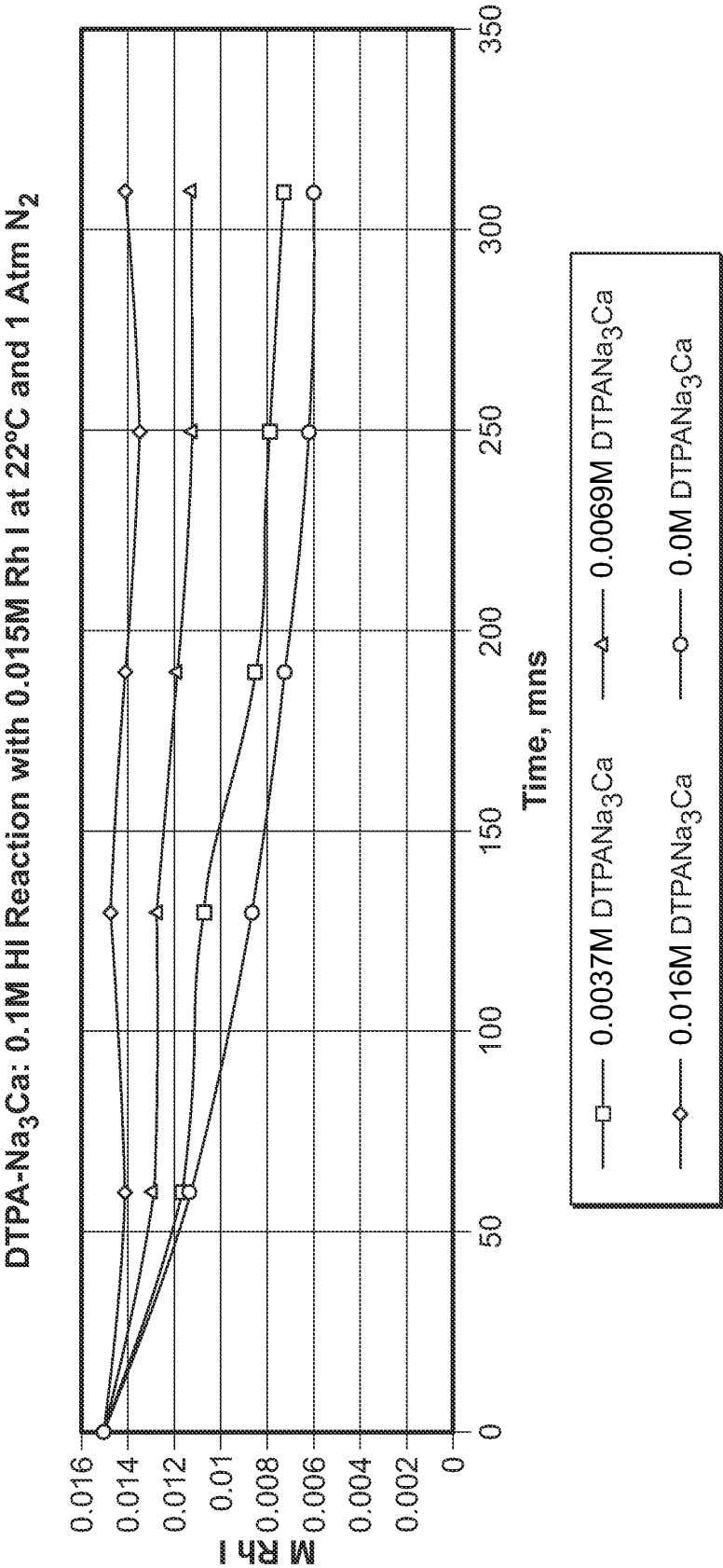


FIG. 16

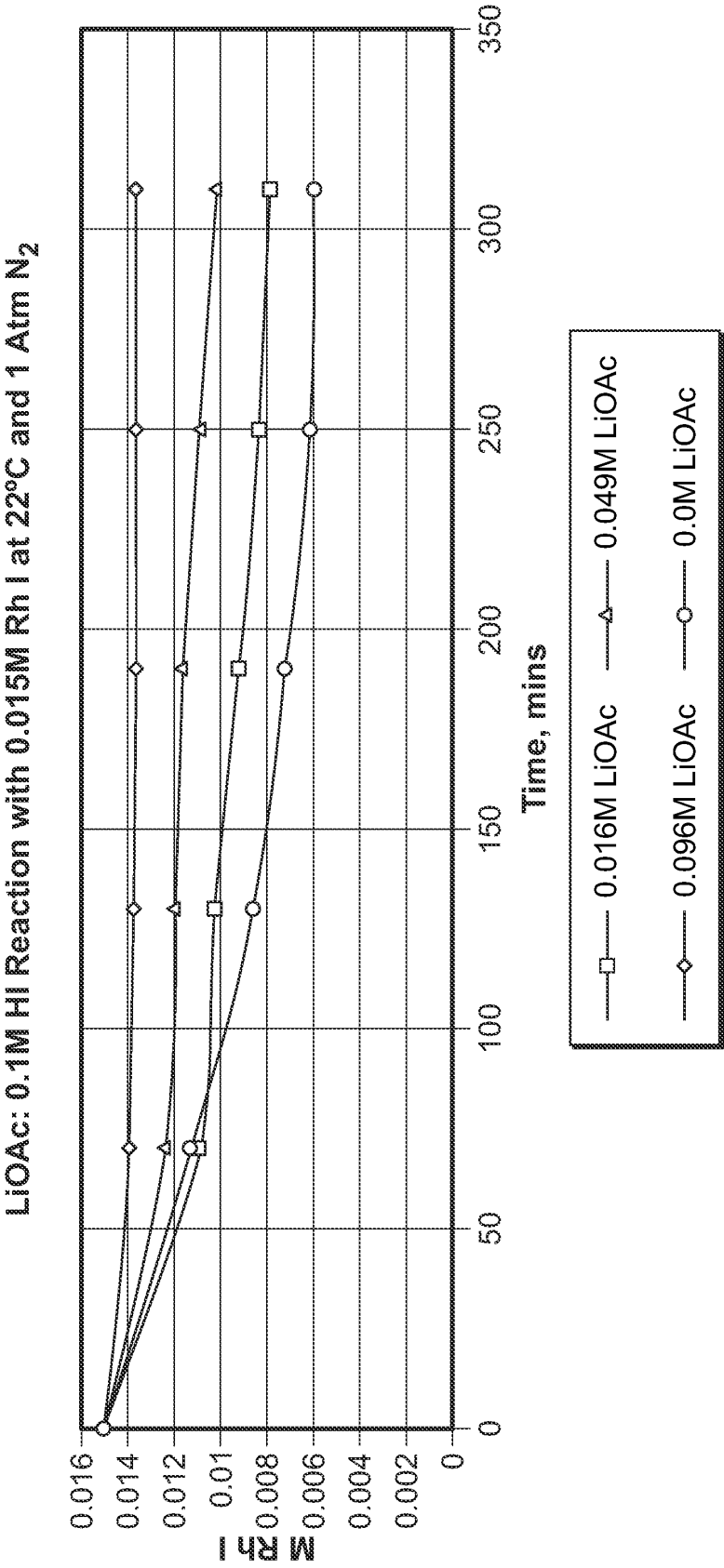


FIG. 17

0.1M HI Oxidative Addition to 0.015M Rh I, % Rh I @ 250 mins

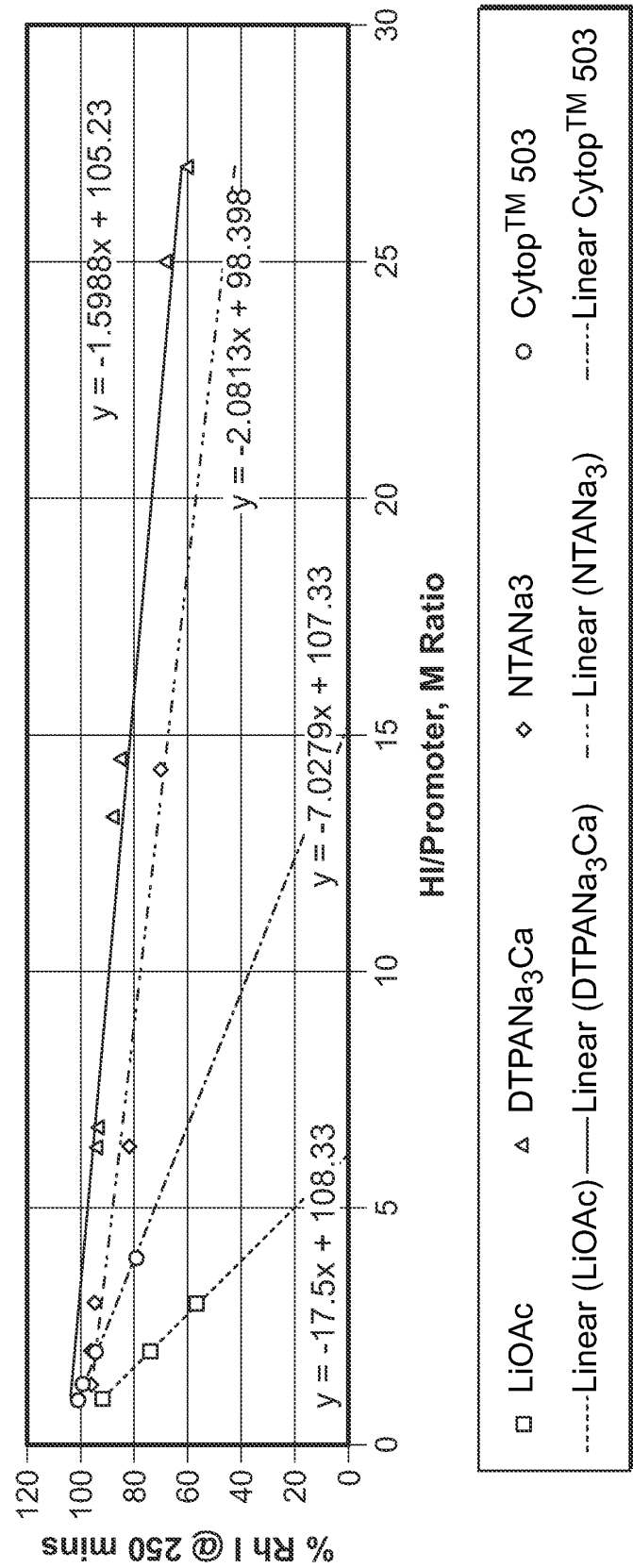


FIG. 18