

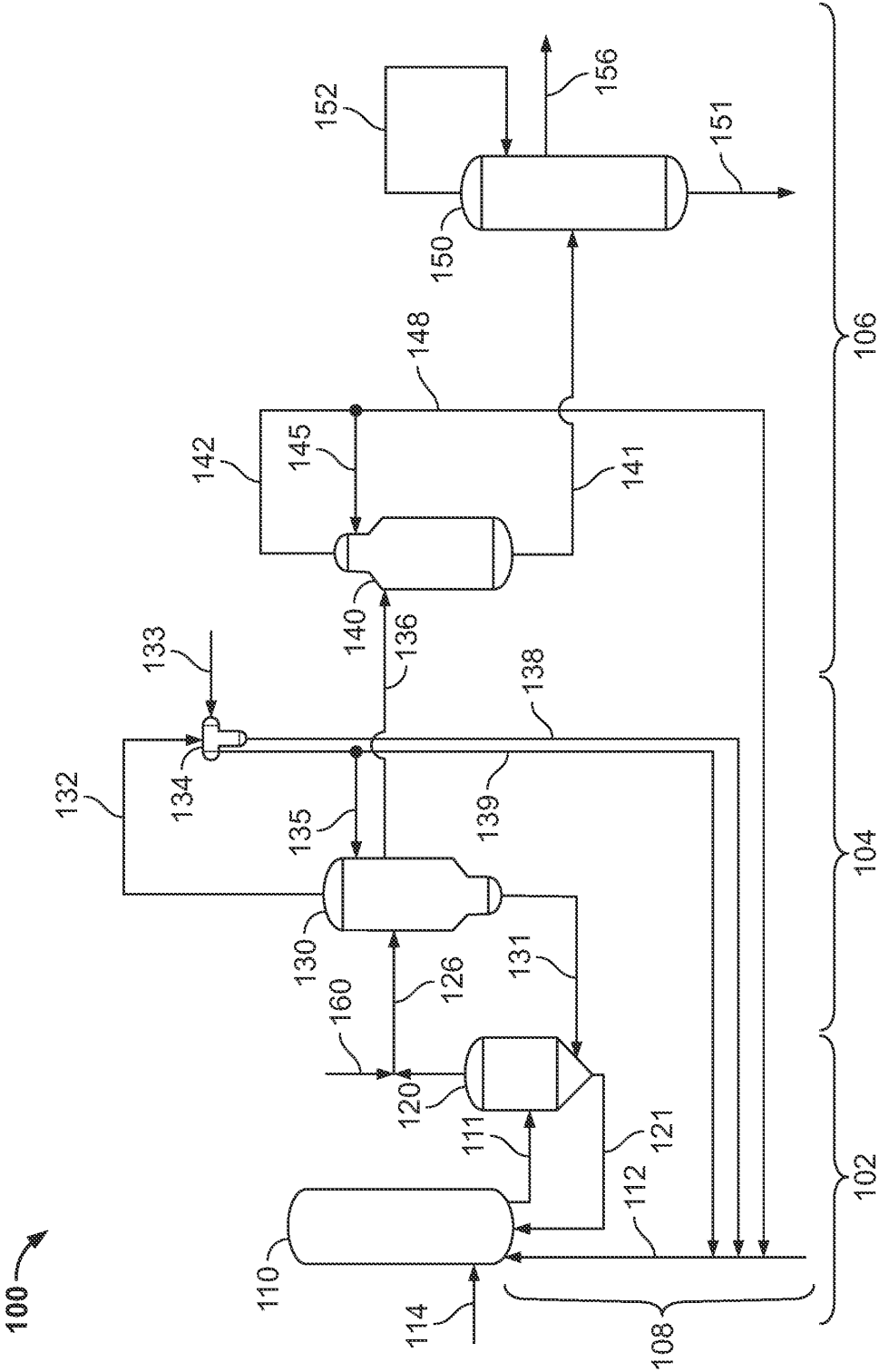


FIG.1

0.04 M DTPMP-Na₇ and 0.15M Rh I, No Mel, for 0-3 hours

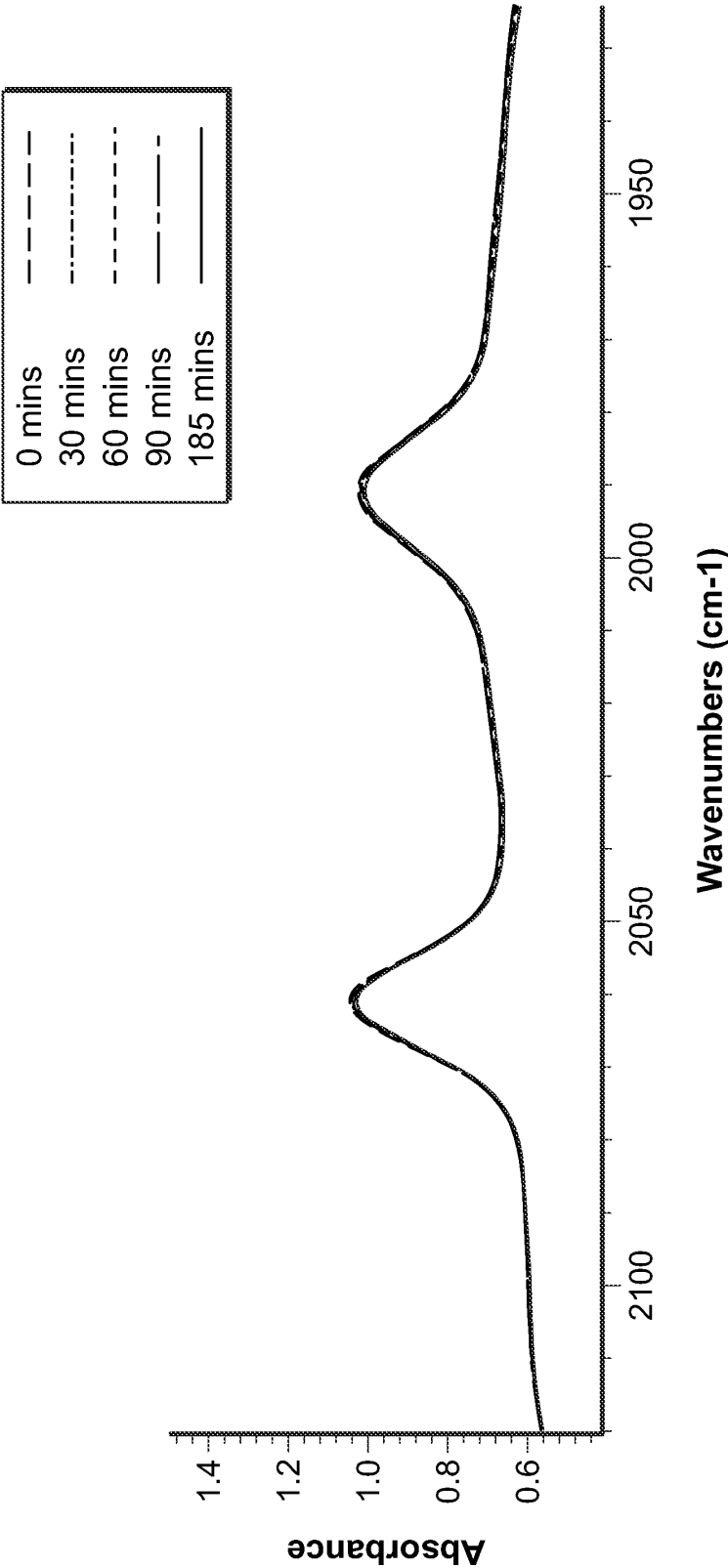


FIG. 2

Vary promoter concentration from 0.0 to 0.11M DTMP-Na₇ (1.1 to 2.3 H₂O M) and 0.015M Rh I

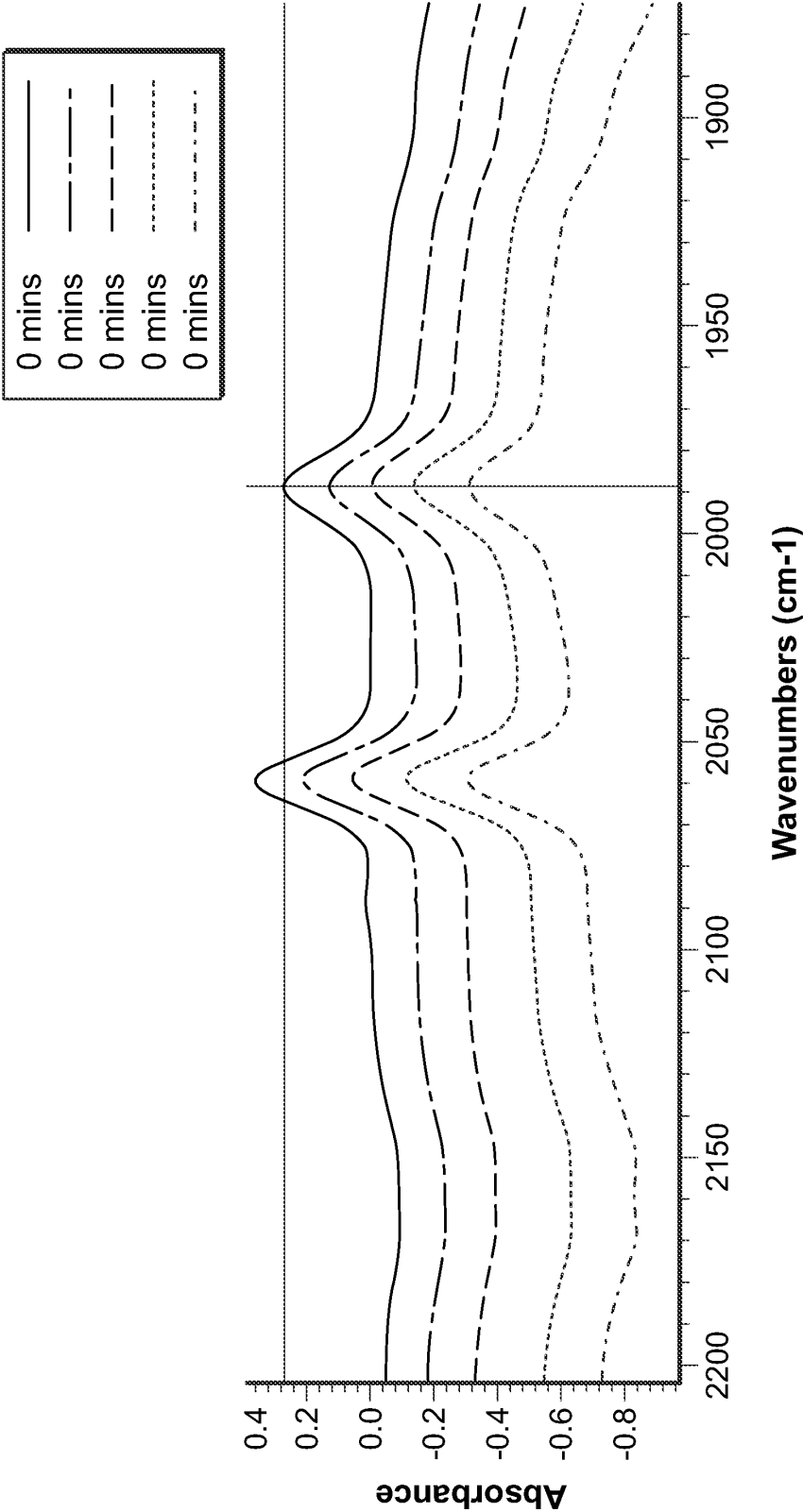
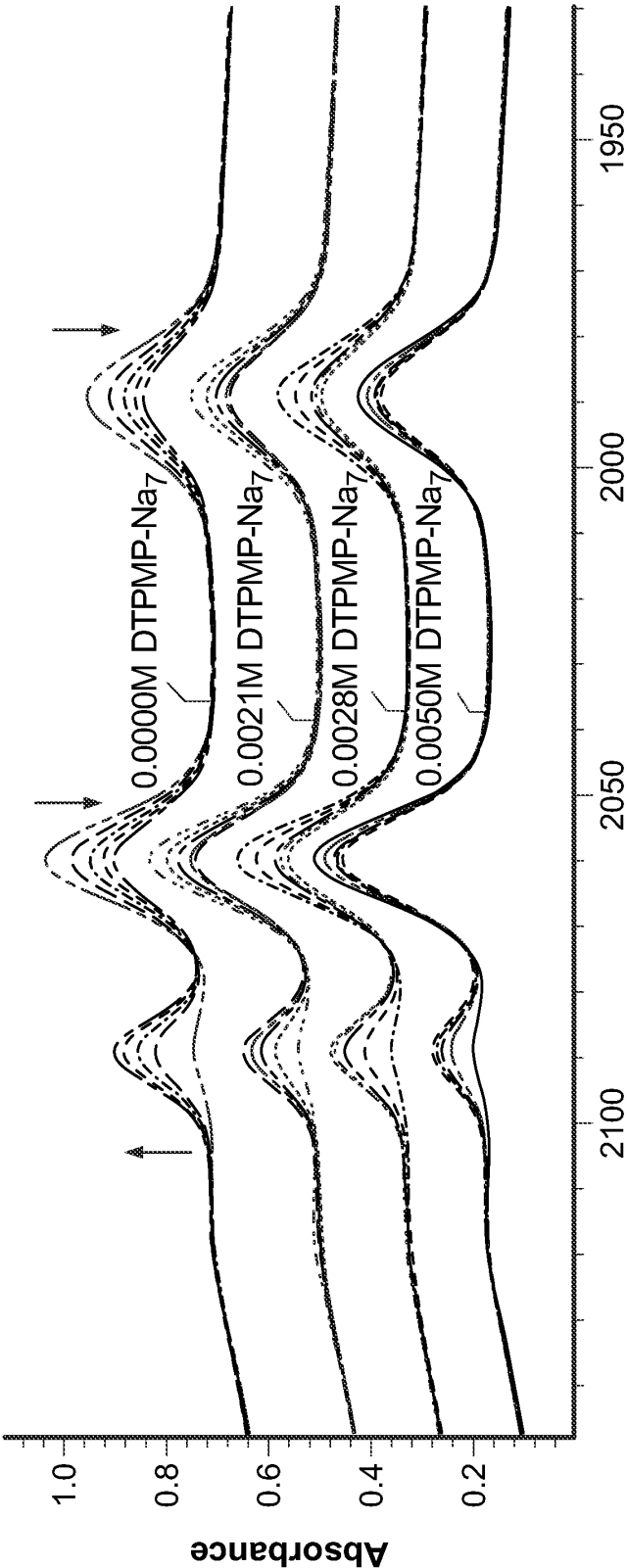


FIG. 3

HI Oxidative Addition of 0.01M HI and Variable DTPMP- Na_7 with 0.15M Rh I for 0 to 4 hours

0 mins	120 mins	240 mins	---
60 mins	180 mins	0 mins	---
120 mins	240 mins	60 mins	---
180 mins	0 mins	120 mins	---
240 mins	60 mins	180 mins	---
0 mins	120 mins	240 mins	---
60 mins	180 mins	---	---



Wavenumbers (cm-1)
FIG.4

Mel Oxidative Addition of 2M Mel and Variable DTPMP-Na₇ with 0.015M Rh I for 0 to 4 hours

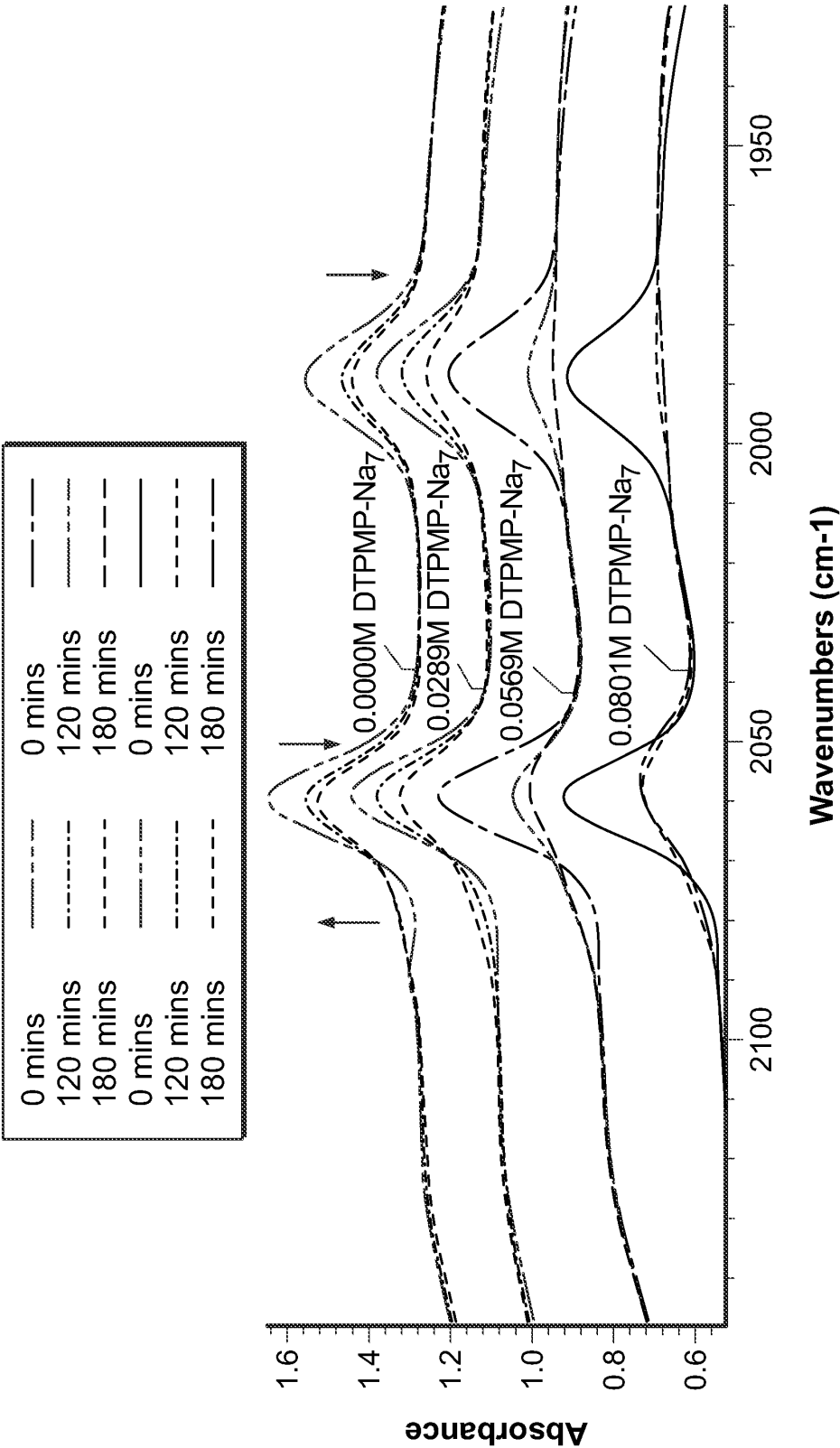


FIG. 5

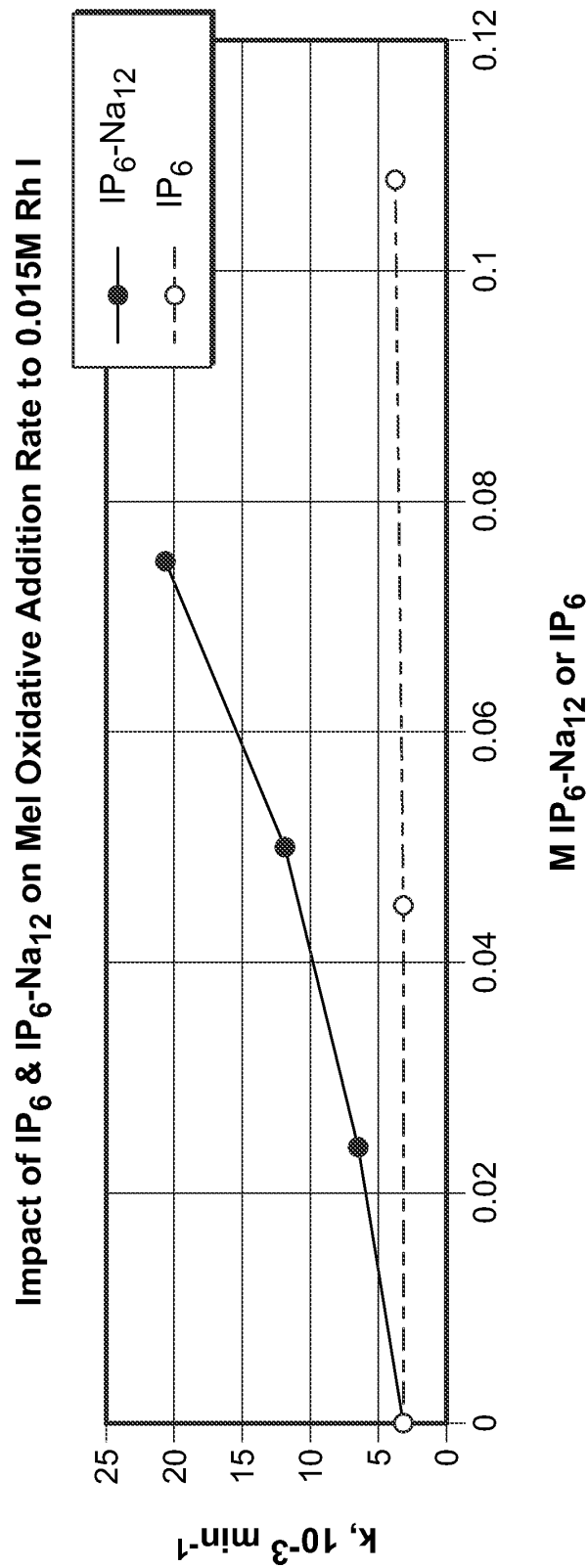


FIG. 6

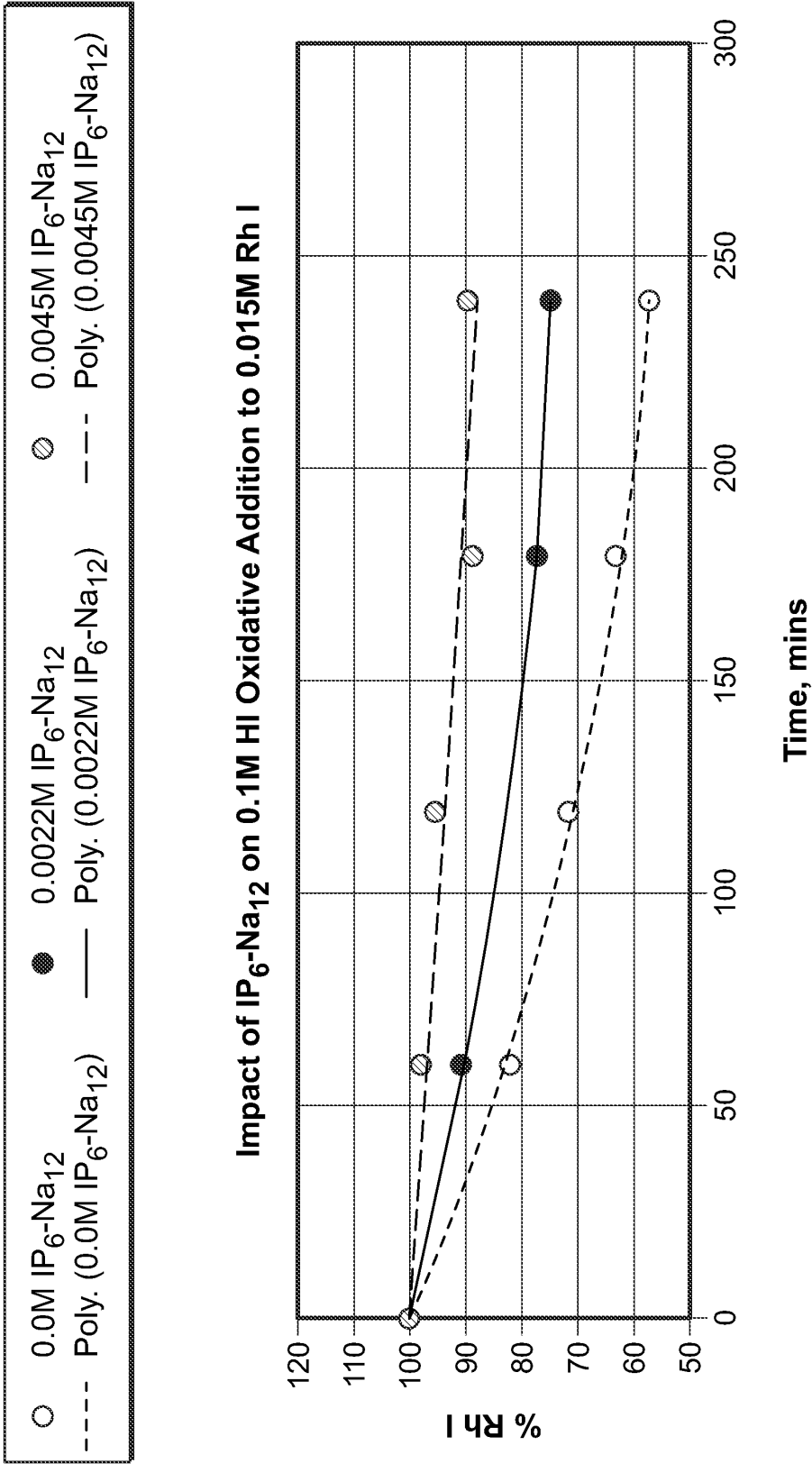


FIG. 7

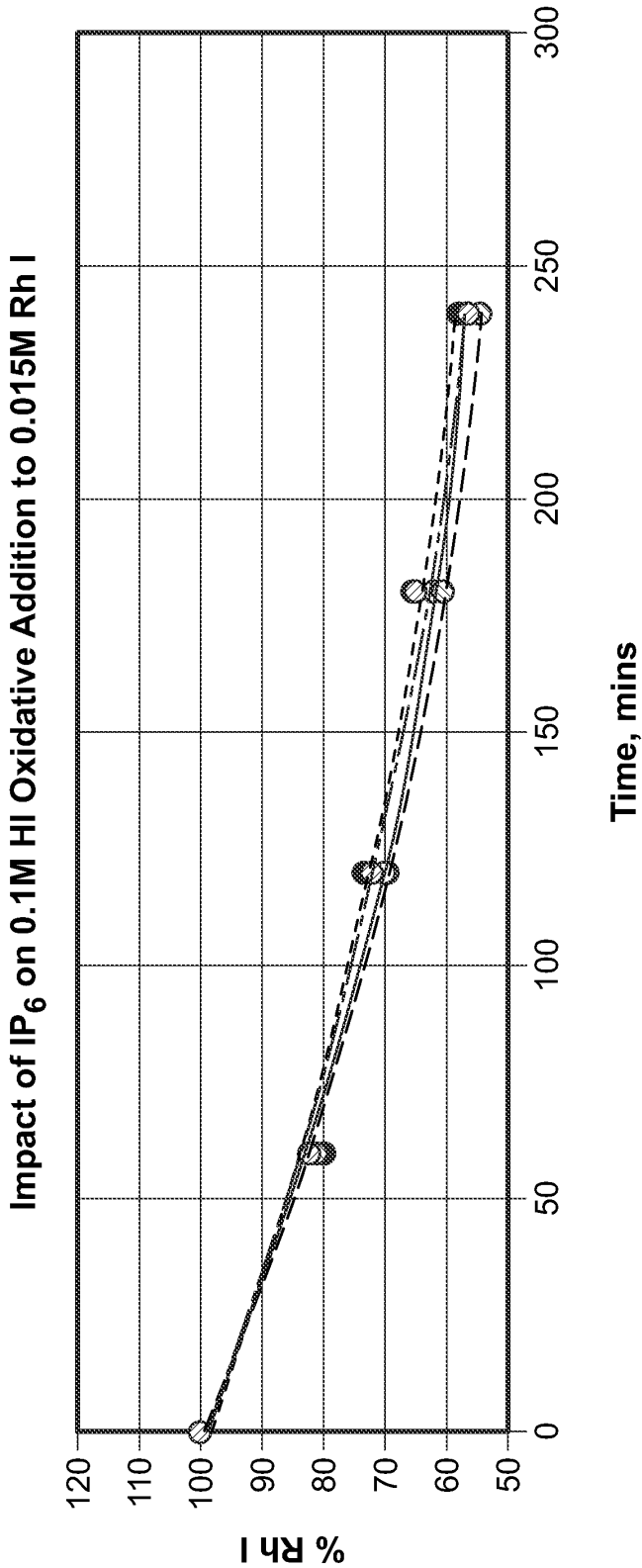
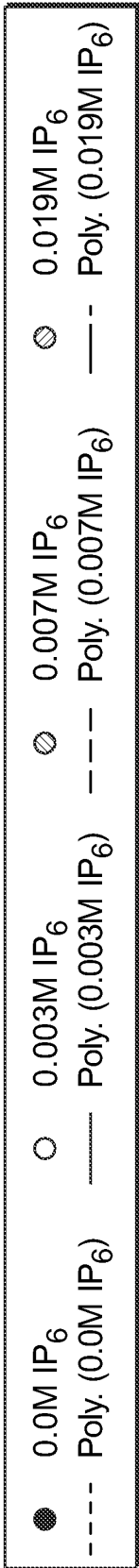
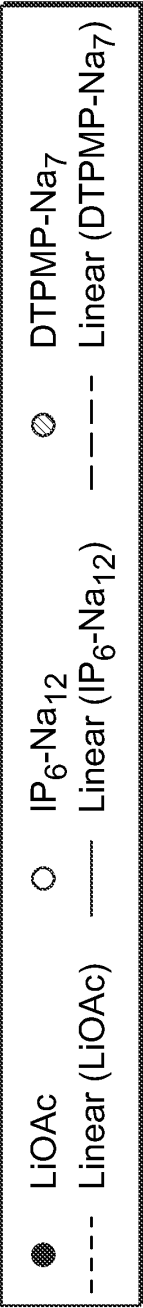


FIG. 8



Impact of New Rate Accelerators on Rate Constant

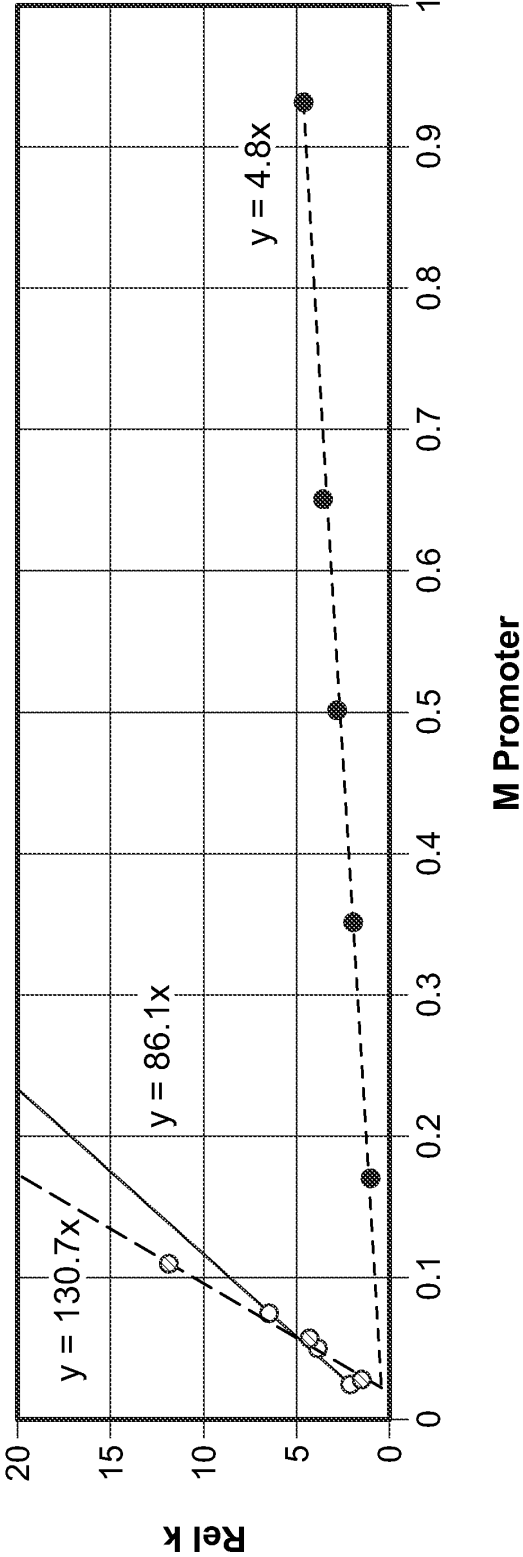


FIG. 9

0.1M HI Oxidative Addition to 0.015M Rh I with Variable LiI

FTIR traces at the following times: 0 mins, 60 mins, 120 mins, 180 mins, and 240 mins

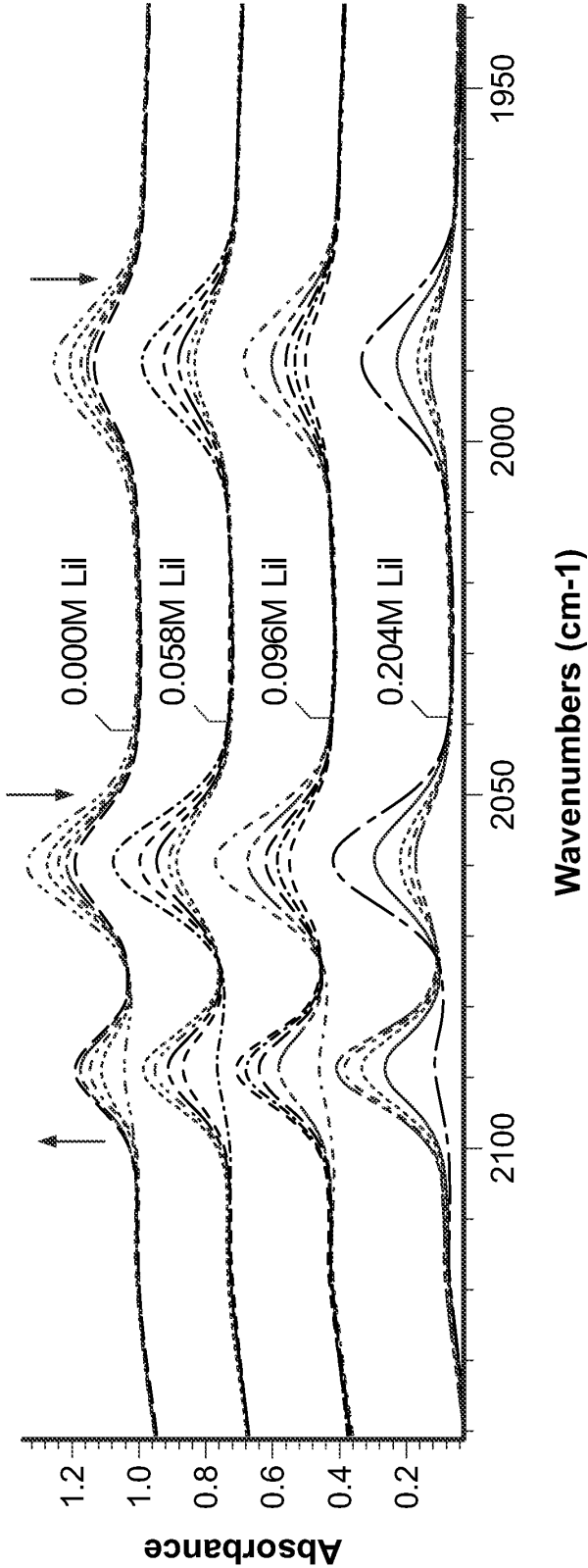


FIG. 10

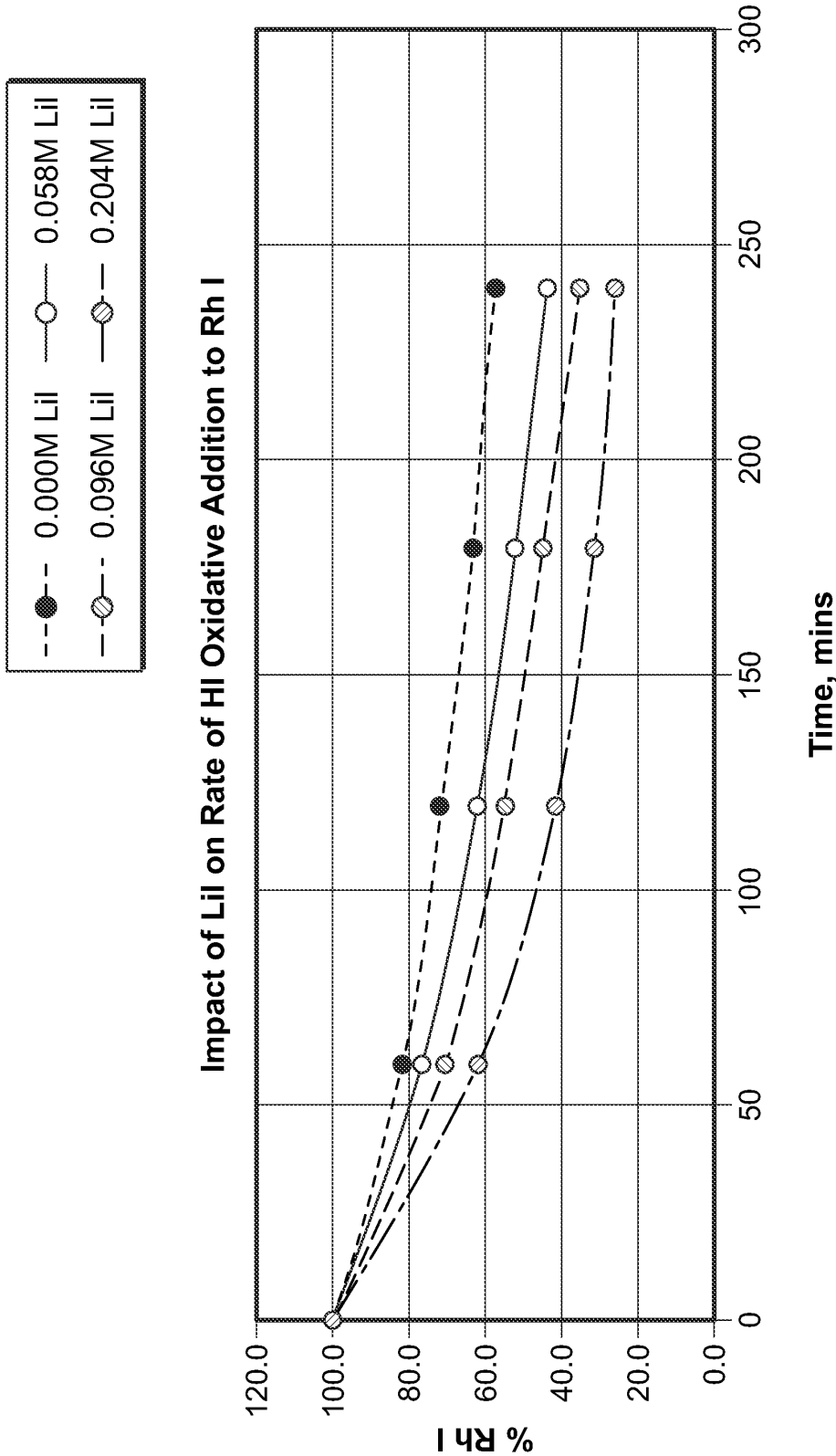
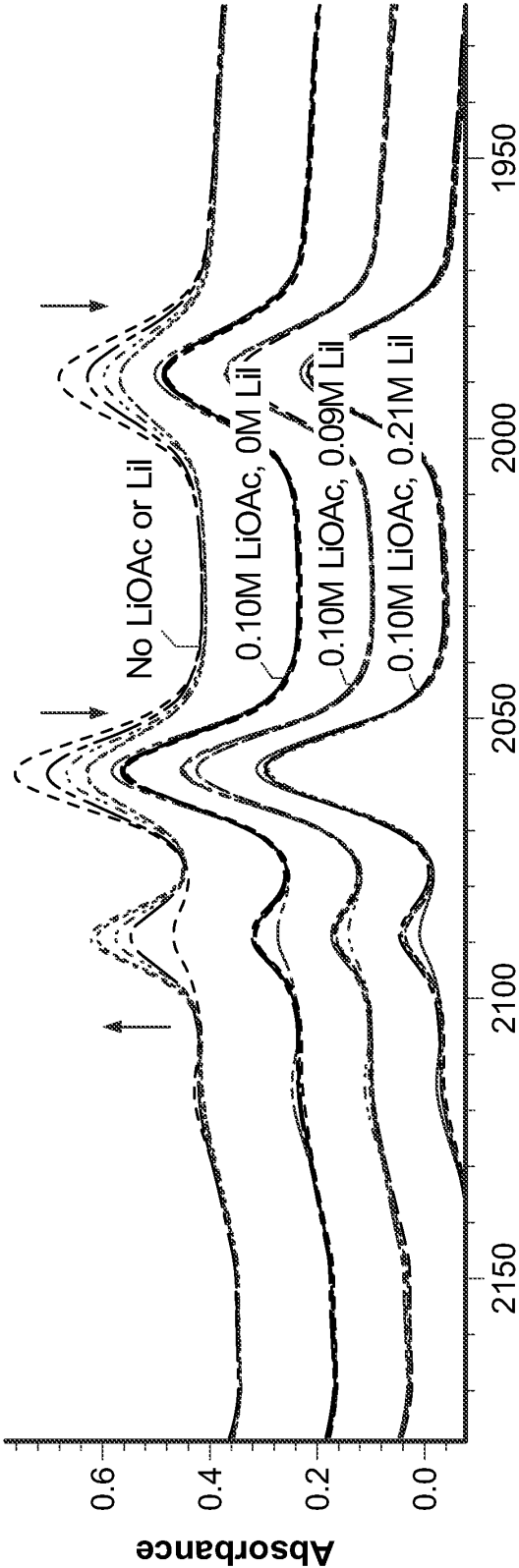


FIG. 11

0.1M HI Oxidative Addition to Rh I with Variable LiOAc/LiI ratio

FTIR traces at the following times: 0 mins, 60 mins, 120 mins, 180 mins, and 240 mins

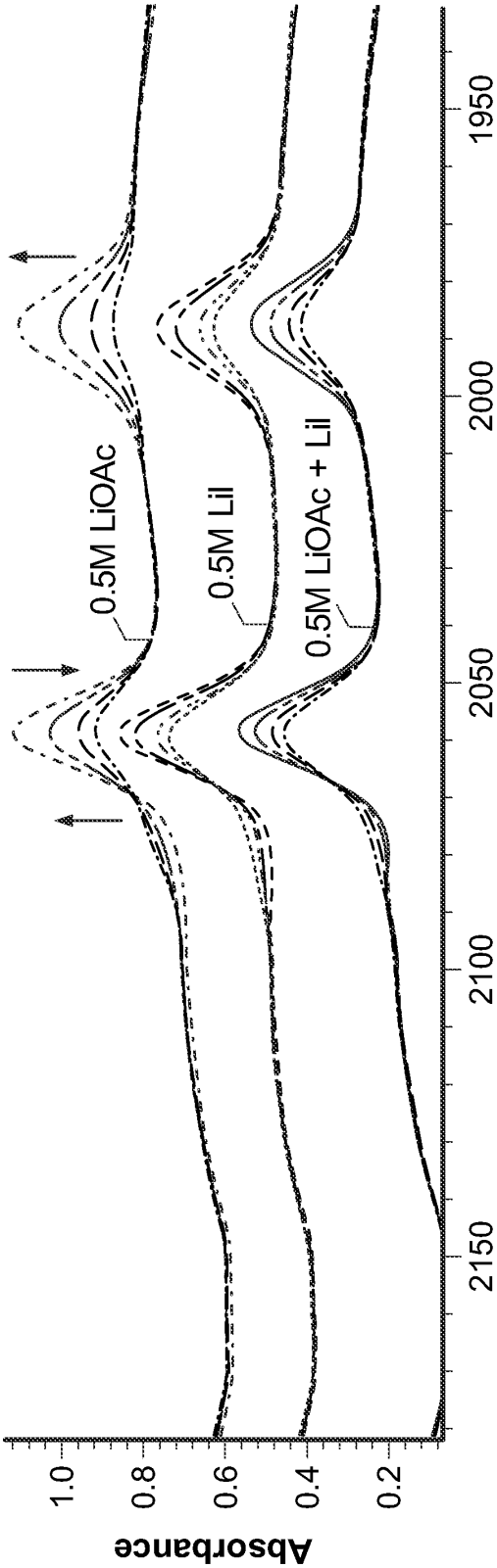


Wavenumbers (cm-1)

FIG.12

2M MeI Oxidative Addition to Rh I

LiOAc 0 mins	---	Li 120 mins	---
LiOAc 60 mins	---	Li 180 mins	---
LiOAc 120 mins	---	LiOAc + LiI 0 mins	---
LiOAc 180 mins	---	LiOAc + LiI 60 mins	---
Li 0 mins	---	LiOAc + LiI 120 mins	---
Li 60 mins	---	LiOAc + LiI 180 mins	---



Wavenumbers (cm-1)

FIG. 13