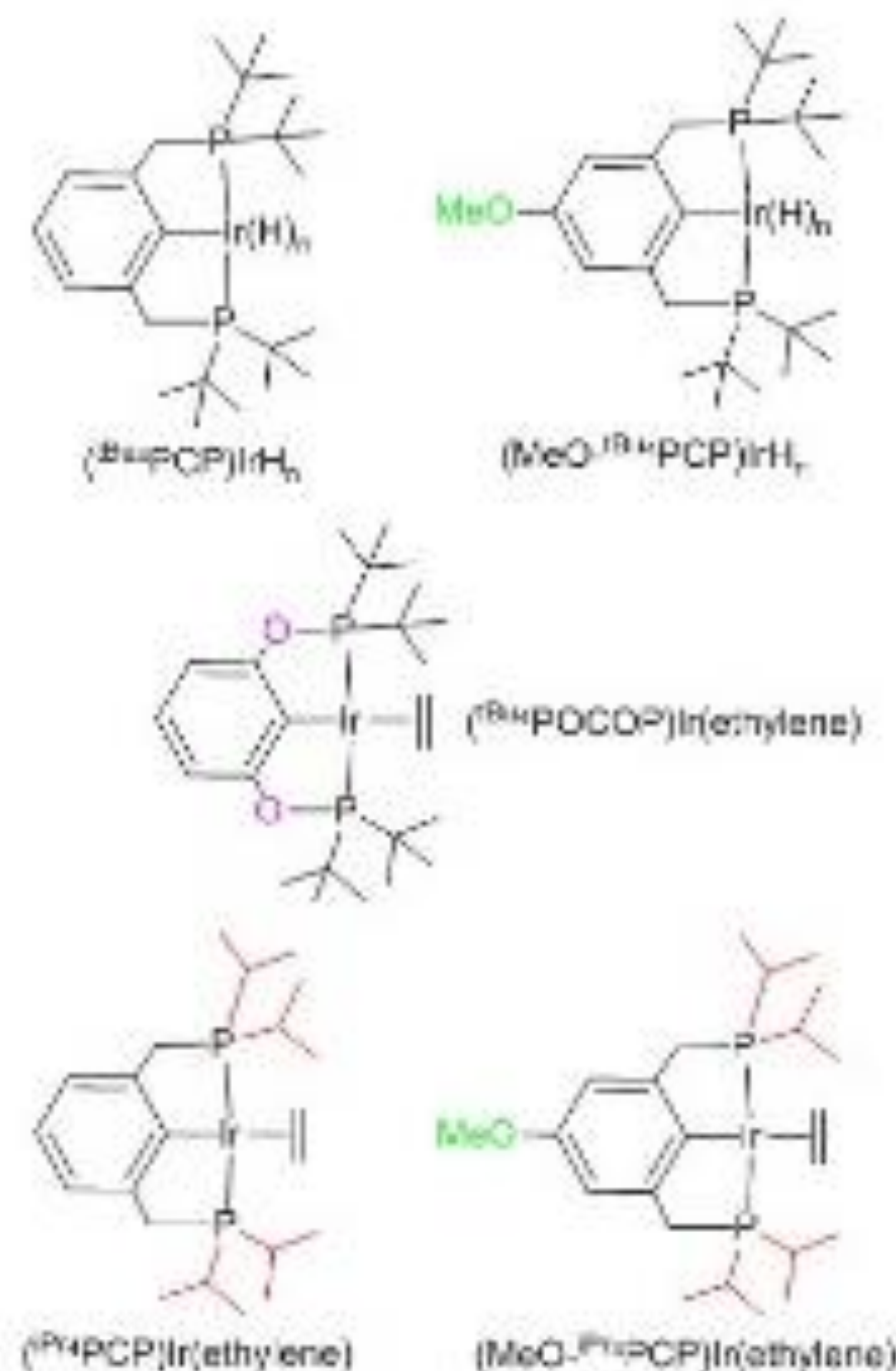


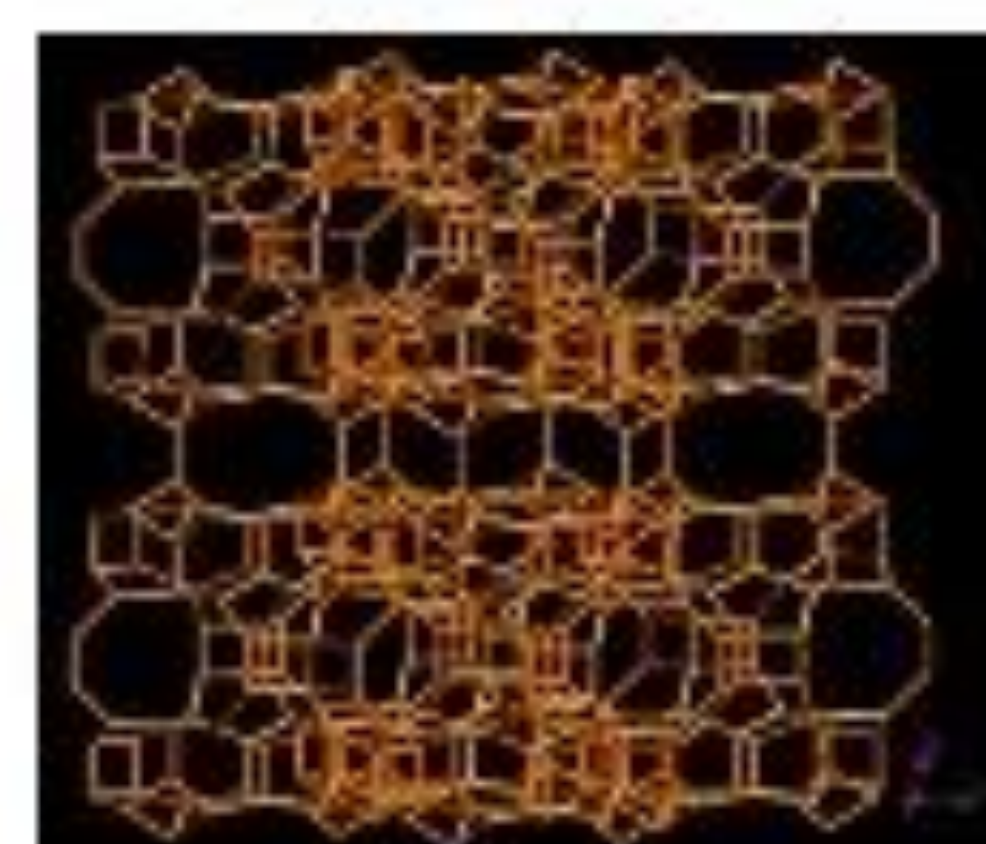
New Tandem Catalytic System

Iridium pincer-ligated catalysts

Zeolite



BEA* (Beta*)
3D Channel System
12 MR x 12 MR

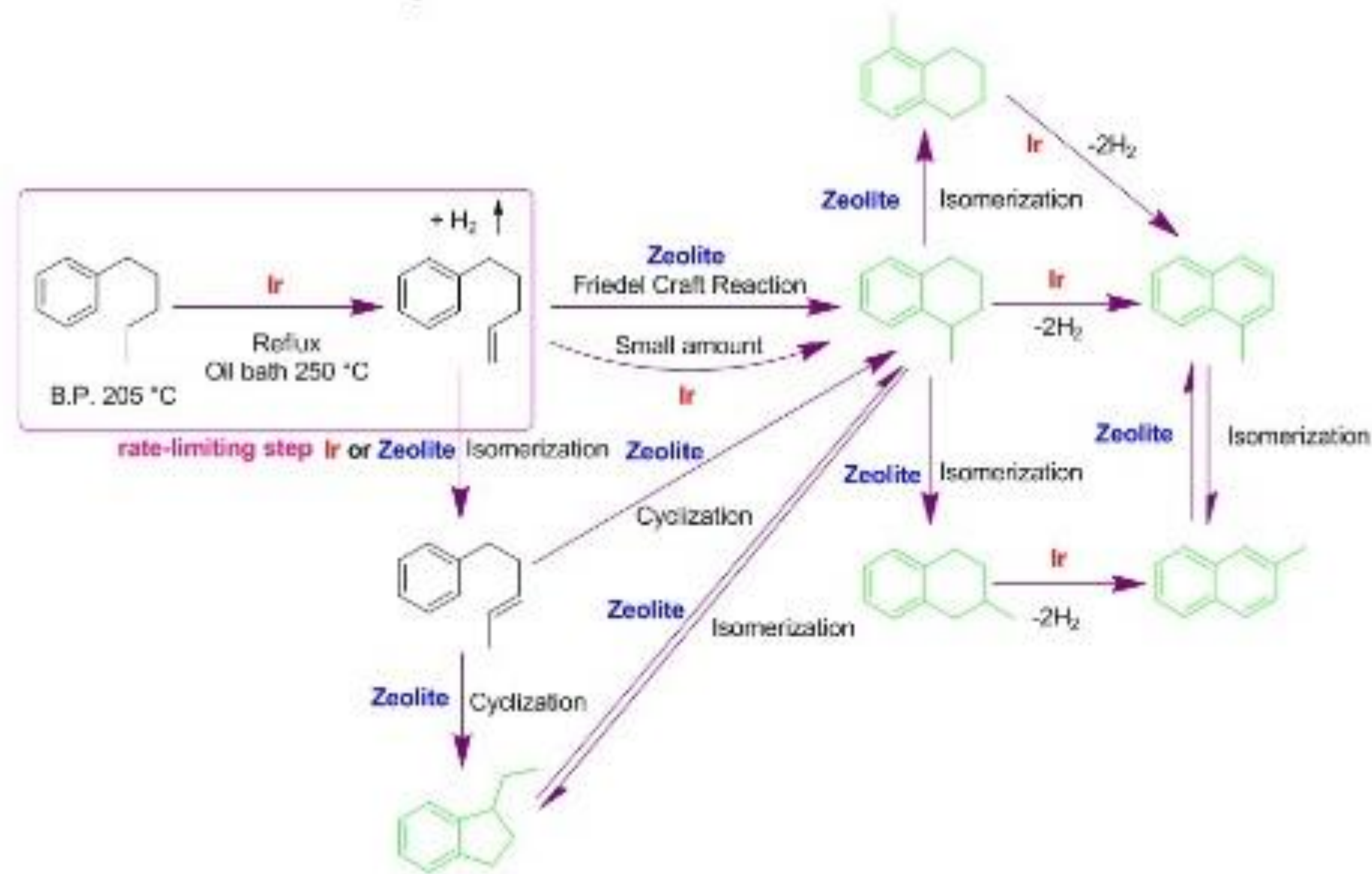


MWW (SSZ-25)
2D Channel System
10 MR x 10 MR

Zeolite Catalyzed Isomerization of Methyl-naphthalene

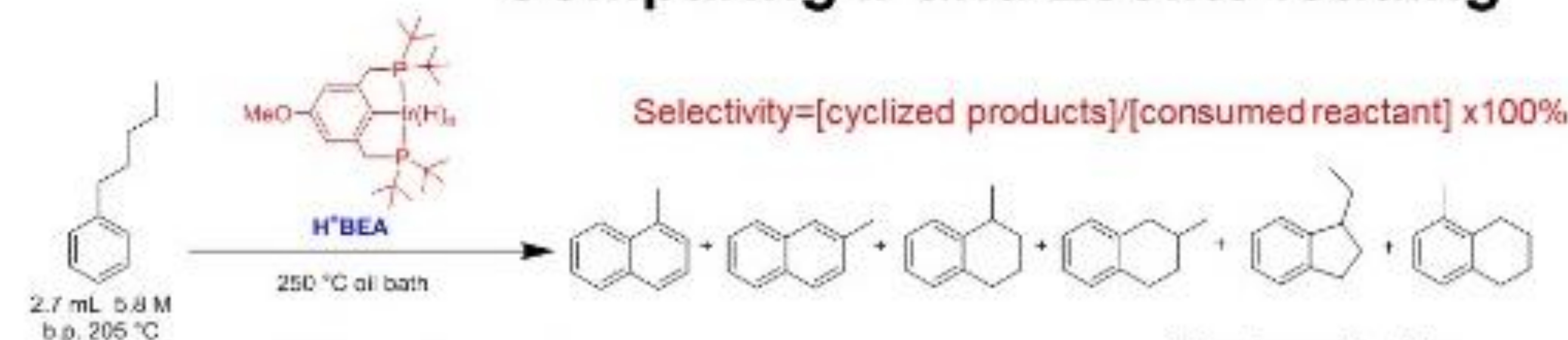


Proposed Reaction Route

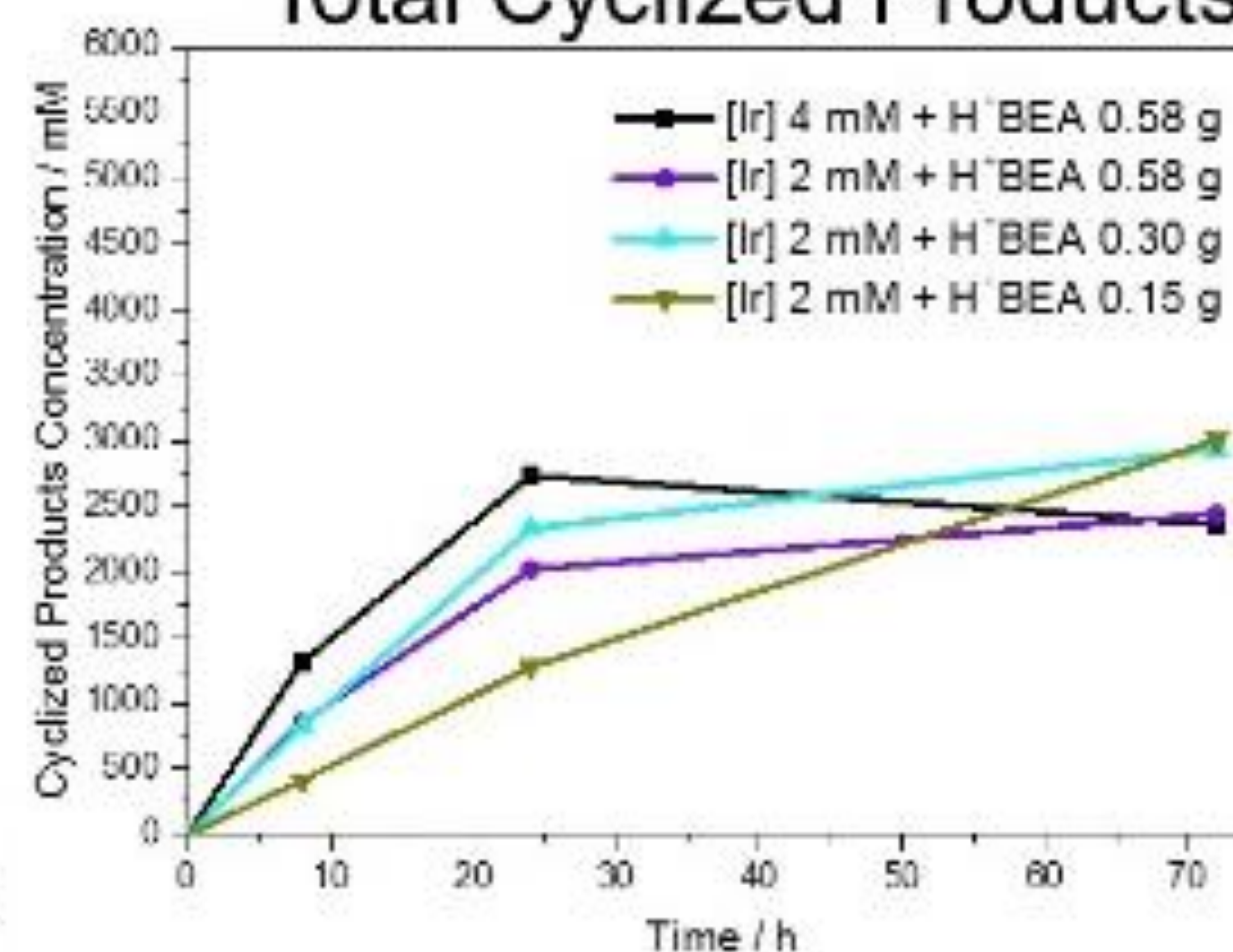


Experimental Results

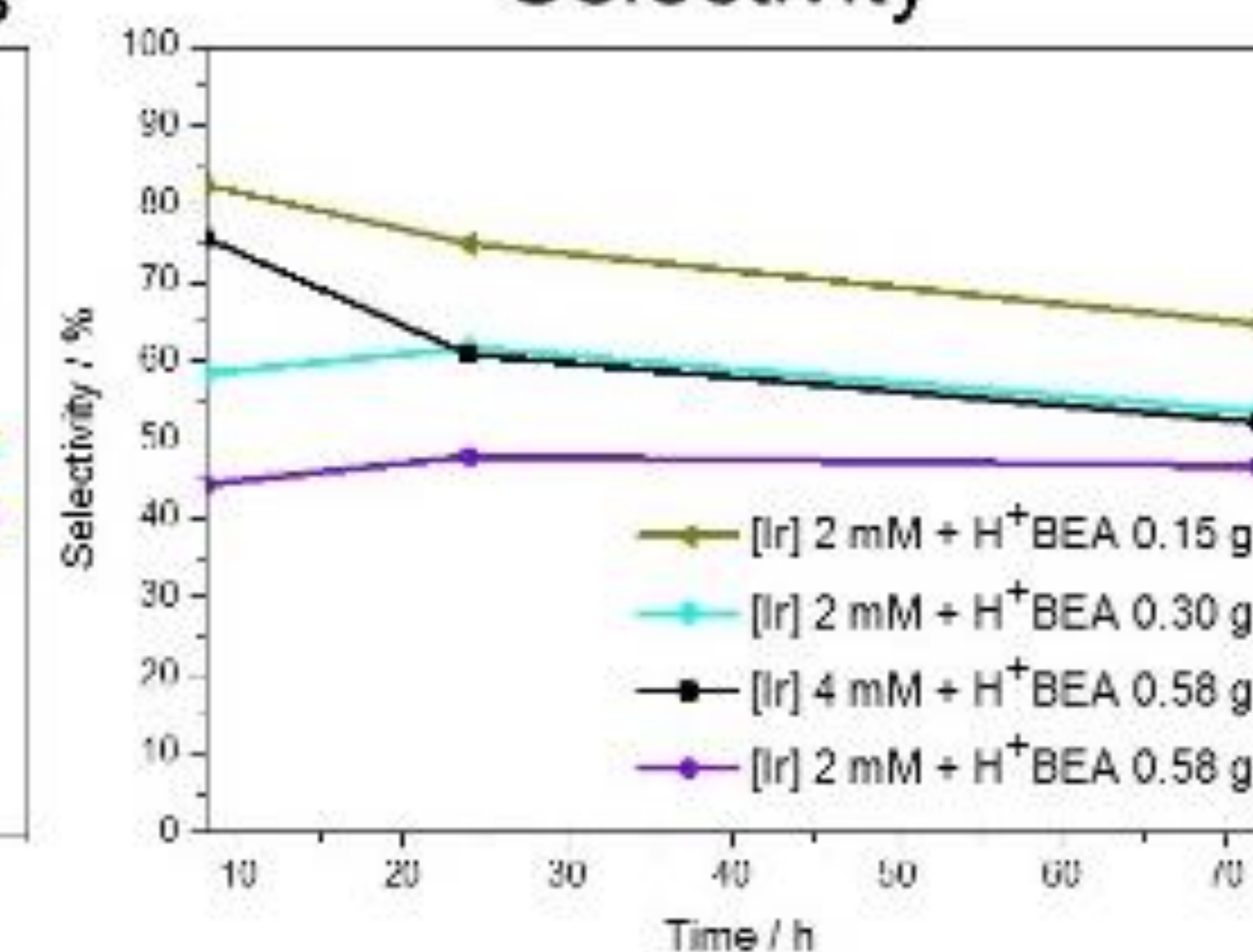
Comparing Ir and Zeolite loading



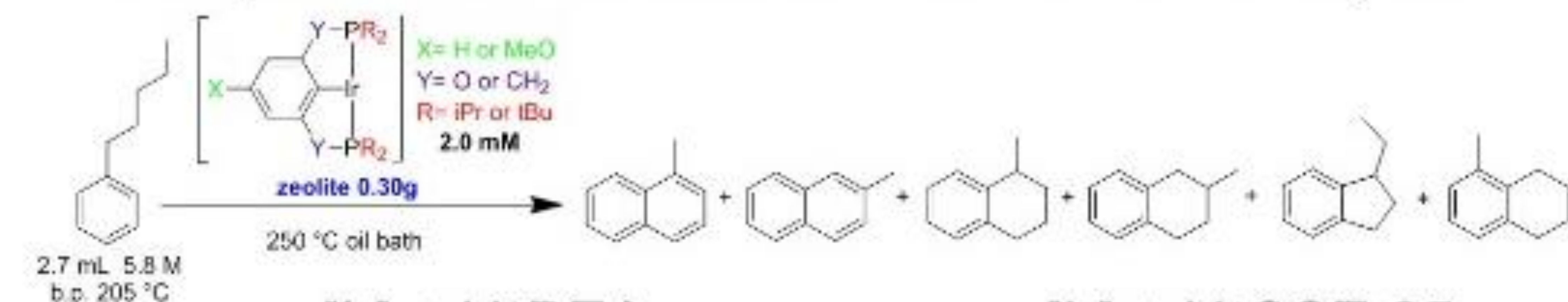
Total Cyclized Products



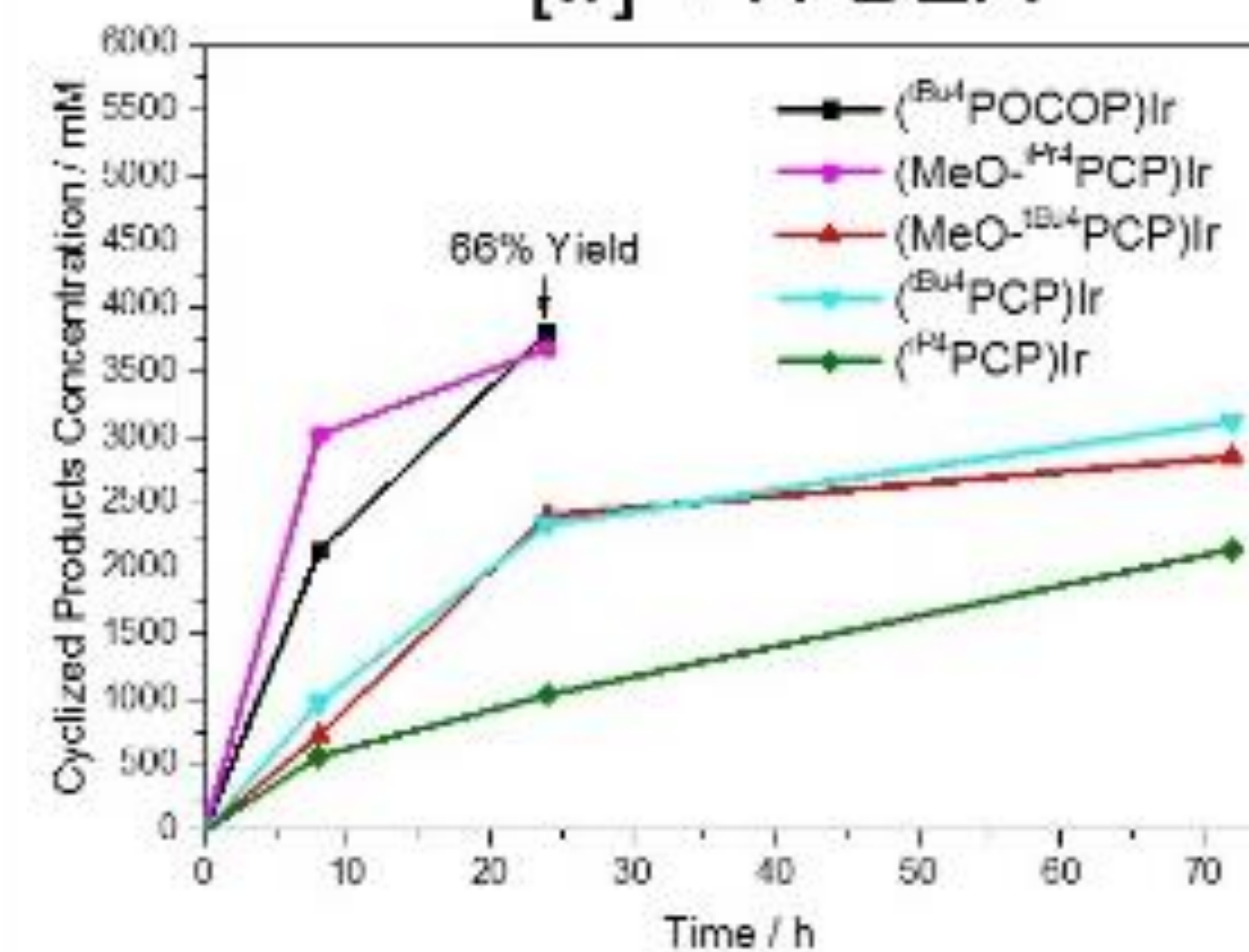
Selectivity



Comparison of Different Ir and Zeolite Catalysts



[Ir] + H+BEA



[Ir] + H+SSZ-25

