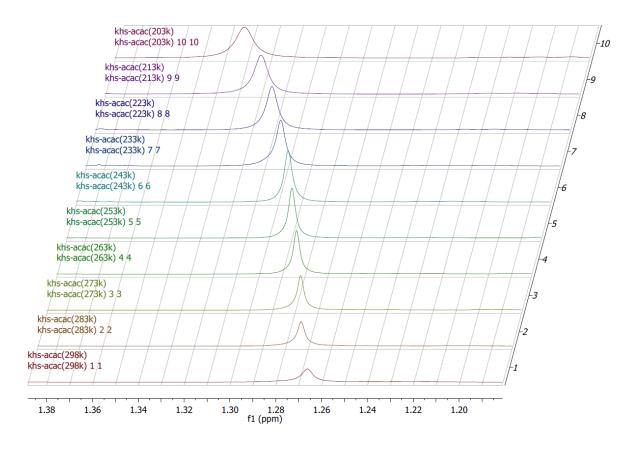
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## **New Heteroleptic Magnesium Complexes for MgO Thin Film Applications**

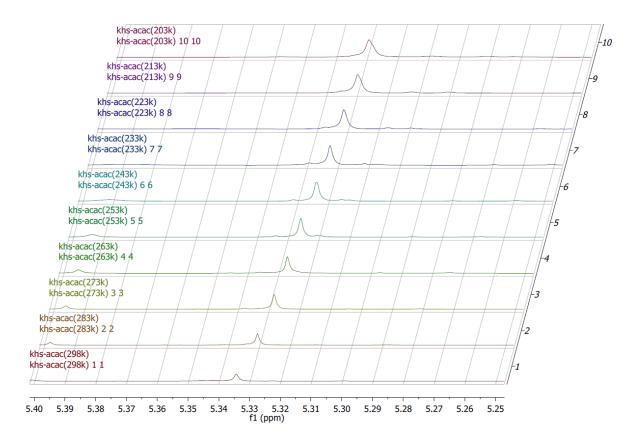
Hyo-Suk Kim, a,b Sheby Mary George, Bo Keun park, Seung Uk Son, Chang Gyoun Kim, a\* and Taek-Mo Chunga\*

## **Supporting Information**

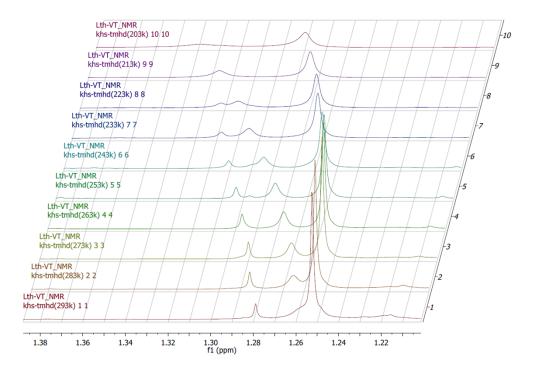
VT-NMR



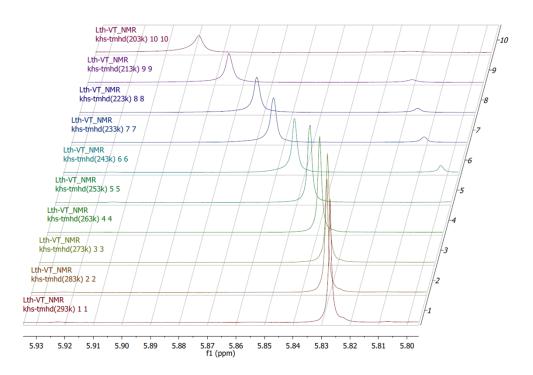
S-1.  $CH_3$  peaks from acac ligands in complex 1



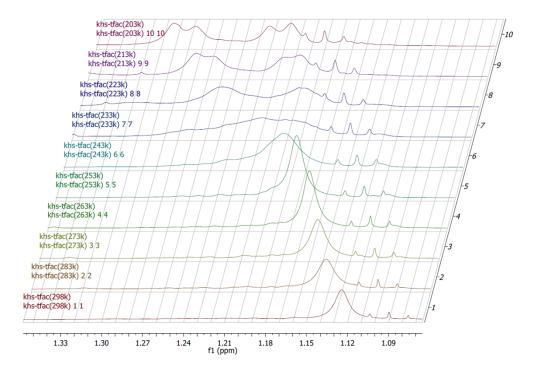
S-2.  $\beta$ -CH protons of acac ligands in complex 1.



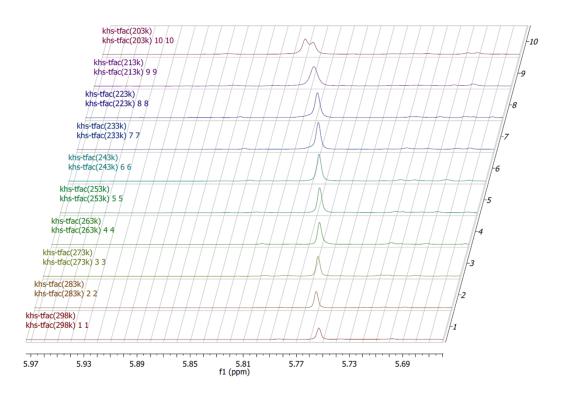
## S-3. $CH_3$ peaks from tmhd ligands in complex 2.



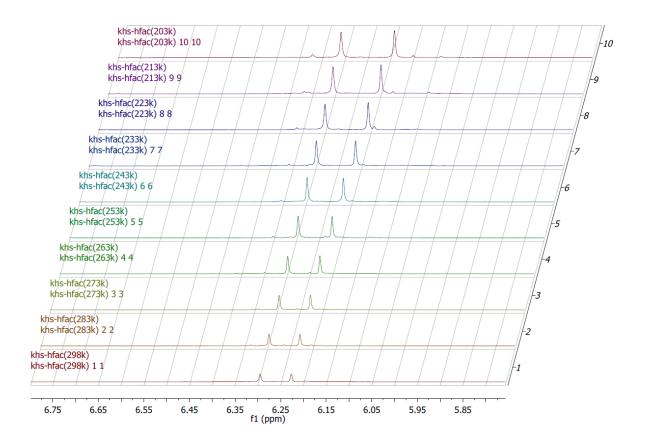
S-4.  $\beta$ -CH protons of tmhd ligands in complex **2**.



S-5.  $CH_3$  peaks from tfac ligands in complex **3**.



S-6.  $\beta$ -CH protons of tfac ligands in complex **3**.



S-7.  $\beta$ -CH protons of hfac ligands in complex **4**.