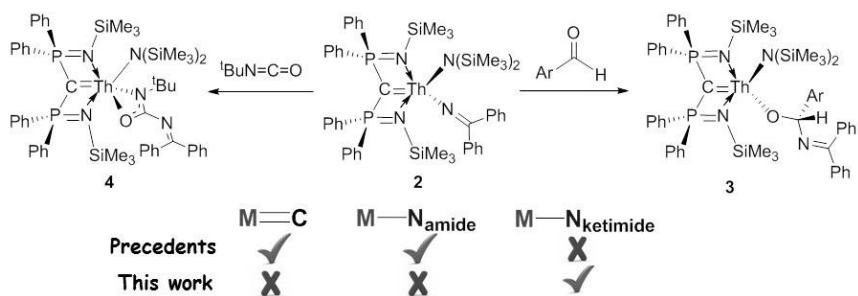
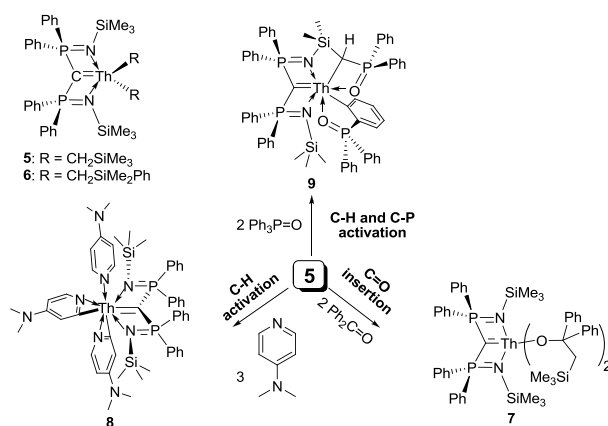


Dipp: 2,6-diisopropyl phenyl

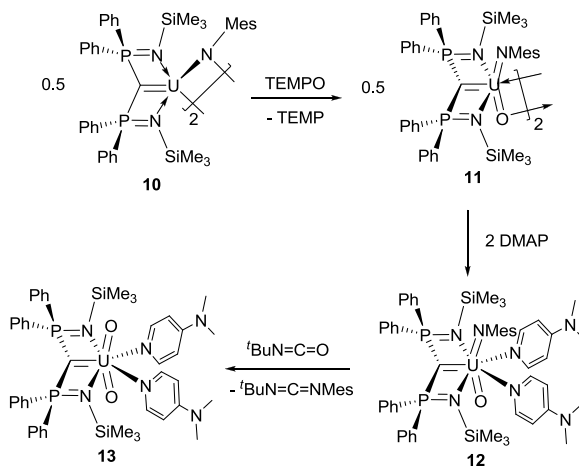
Scheme 1.



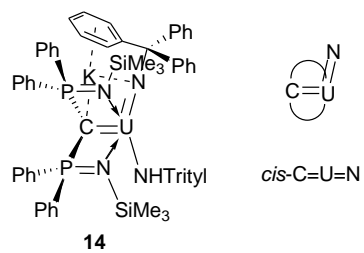
Scheme 2. Reactivity of thorium carbene amide ketimide (**2**)



Scheme 3. Reactivity of thorium carbene *bis*-alkyl complex (**5**).



Scheme 4. Synthesis and reactivity of uranium carbene imido oxo complex (**12**).



Scheme 5. Uranium(IV) *cis*- carbene imide complex (**14**)