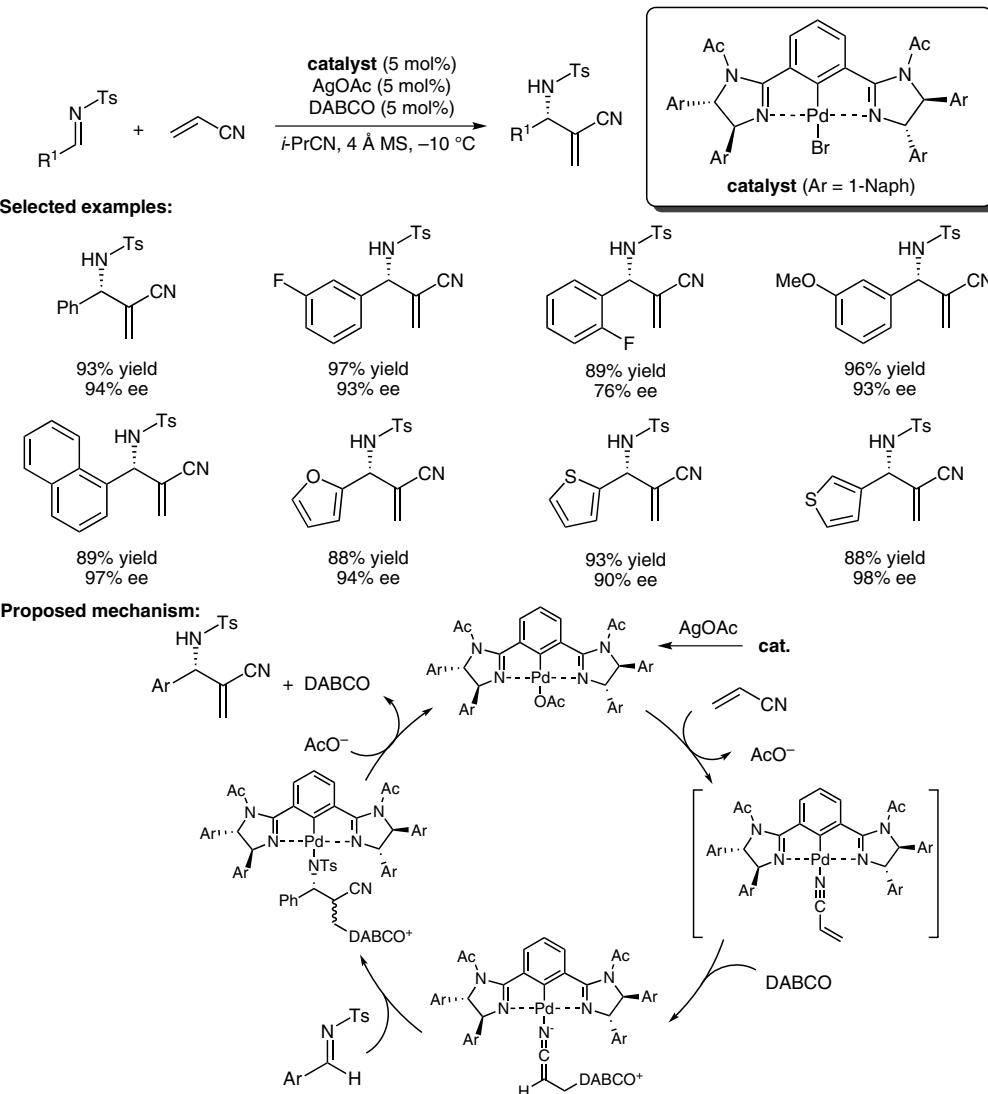


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Enantioselective Aza-Morita–Baylis–Hillman Reactions of Acrylonitrile Catalyzed by Palladium(II) Pincer  
Complexes having  $C_2$ -Symmetric Chiral Bis(imidazoline) Ligands  
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## Palladium-Catalyzed Enantioselective Aza-Morita–Baylis–Hillman Reaction



**Significance:** This paper describes the palladium-catalyzed enantioselective aza-Morita–Baylis–Hillman reaction of acrylonitriles with imines. The bulky pincer ligand enabled the synthesis of enantioenriched  $\alpha$ -methylene- $\beta$ -aminonitriles in high yield.

**Comment:** The palladium–pincer complex preferably activates acrylonitrile, even in the presence of ethyl acrylate. The palladium ketenimide is a key intermediate for the asymmetric induction. The palladium complex may promote other Lewis acid catalyzed reactions.

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