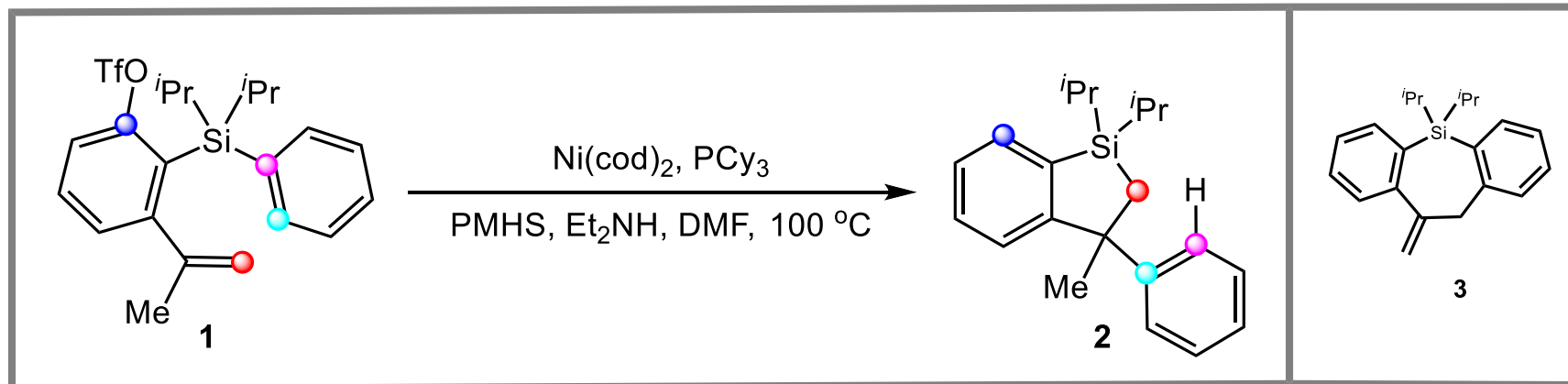


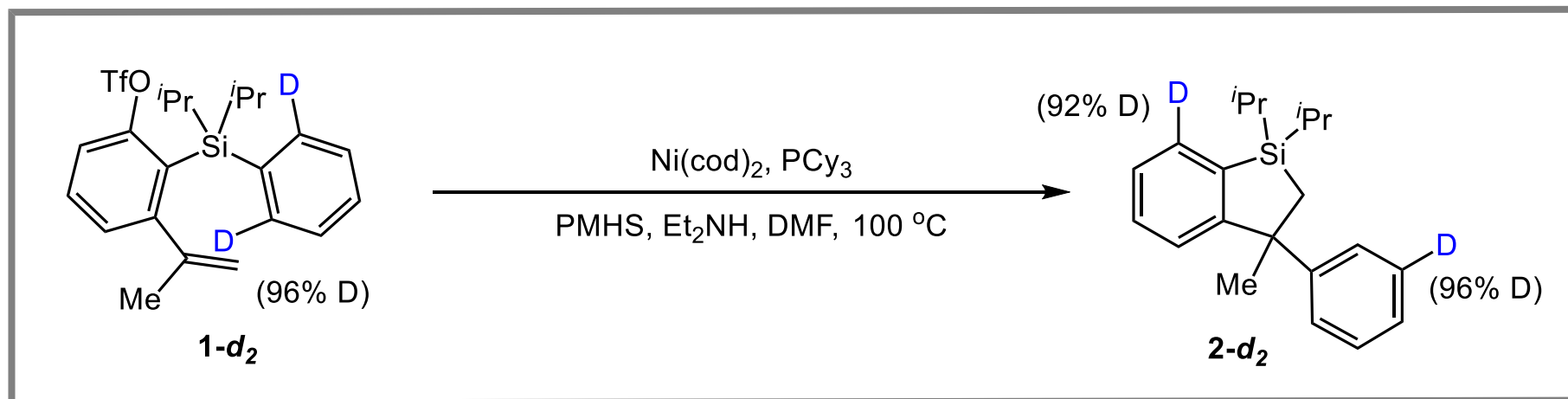
Mechanism Speculation I Recommended by Chen Mu-Wang

Nickel-Catalyzed Synthesis of Silaindanes *via* Sequential C–H Activating 1,5-Nickel Migration And C–Si Activating 1,4-Nickel Migration

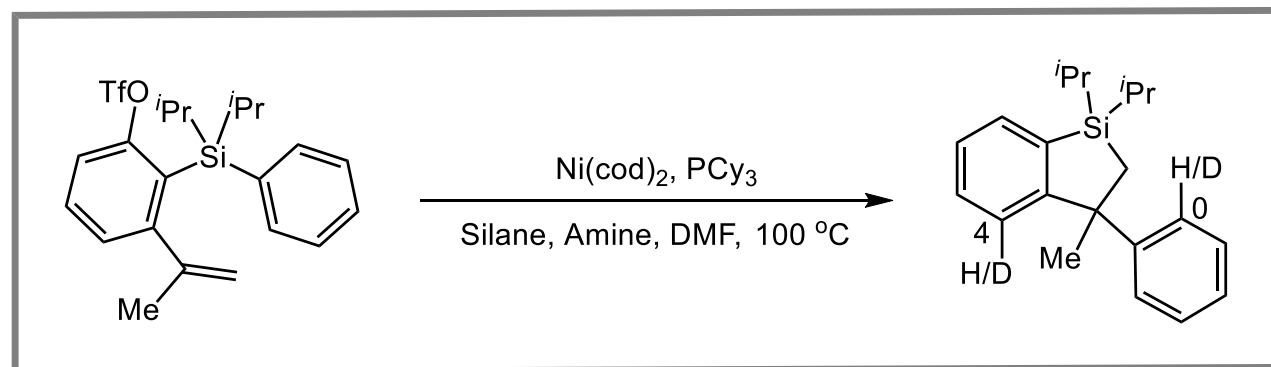


Lee, D.; Fujii, I.; **Shintani, R.** *ACS Catal.* **2025**, *15*, 907–916

Control Experiment



Control Experiment



Entry	Silane	Amine	Deuterium content	
			C ₀	C ₄
1	Et ₃ SiH	Et ₂ NH		
2	Et ₃ SiD	Et ₂ NH	20	19
3	Et ₃ SiH	(CD ₃ CD ₂) ₂ NH	20	41
4	Et ₃ SiD	(CD ₃ CD ₂) ₂ NH	26	60
5	Et ₃ SiH	(ⁿ Bu) ₂ ND	0	0

Proposed Mechanism

