

Publication

1,4-Palladium Shift/C(sp³)-H Activation Strategy for the Remote Construction of Five-Membered Rings**JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 4501581**Author(s)** Rocaboy, Ronan; Baudoin, Olivier**Author(s) at UniBasel** [Baudoin, Olivier](#) ;**Year** 2019**Title** 1,4-Palladium Shift/C(sp³)-H Activation Strategy for the Remote Construction of Five-Membered Rings**Journal** Organic Letters**Volume** 21**Number** 5**Pages / Article-Number** 1434-1437

1,n-Metal shift is an elegant alternative approach enabling the functionalization of remote C H bonds from simple precursors. In this work, we report a novel and simple Pd-0-catalyzed domino reaction involving 1,4-palladium shift and C(sp³)-H activation and leading to (fused) five-membered rings. This method allowed access to a broad range of valuable arylidene gamma-lactams and indanones and was applied to the formal synthesis of (-)-pyrrolam.

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