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Title:	Pd-Catalyzed Nazarov-Type Cyclization: Application in the Total Synthesis of β-Diasarone and Other Complex Cyclopentanoids
Authors:	Singh, Bara (/jspui/browse?type=author&value=Singh%2C+Bara) Bankar, Siddheshwar K. (/jspui/browse?type=author&value=Bankar%2C+Siddheshwar+K.) Ramasastry, S. S. V. (/jspui/browse?type=author&value=Ramasastry%2C+S.+S.+V.)
Keywords:	Pd-Catalyzed Nazarov-Type Cyclization Total Synthesis of β-Diasarone Complex Cyclopentanoids
Issue Date:	2022
Publisher:	ACS Publications
Citation:	Organic Letters, 24(4), 1043-1048.
Abstract:	We describe the palladium-catalyzed Nazarov-type cyclization of easily accessible (hetero)arylallyl acetates to pentannulated (hetero)arenes. This method provides ready access to various types of bi-, tri-, tetra-, and pentacyclic cyclopentanoids under neutral conditions. The synthetic utility is further demonstrated in the first total synthesis of β-diasarone and several other complex cyclopentanoids relevant to medicinal chemistry and materials science.
Description:	Only IISER Mohali authors are available in the record.
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