

Cycloaddition Reactions for the Formation of Indolines, Indoles and Benzofurans, and Subsequent Functionalization Reactions

Sylvain Canesi, Département de Chimie, Université du Québec à Montréal, Montréal, Canada, Qc, H3C 3P8

Oxidative Prins process: An oxidative Prins transformation on phenol derivatives mediated by a hypervalent iodine reagent has been developed. This method allows a rapid access to highly substituted compact cores present in several natural products. Substitution at each ring position has been demonstrated, enabling synthesis of molecules with up to two contiguous quaternary carbon centers.

