Construction of Spirocyclic Oxindoles for Indole Alkaloid Synthesis

Model system:

 Oxidative cleavage of the olefin moiety of the products leads to stereochemically defined oxindoles, which can be readily elaborated into members of the hexahydropyrrrole[2,3-b]indole family of alkaloids, as demonstrated by the synthesis of (-)-debromoflustramine B.


SYNFACTS Contributors: Victor Snieckus, Paul Richardson (Pfizer) Synfacts 2014, 10(1), 0026 Published online: 13.12.2013 DOI: 10.1055/s-0033-1340424; Reg-No.: V15513SF

Key words
spirocycles
oxindoles
Ullmann coupling
Claisen rearrangement