

Recent Advances in the Synthesis of Benzo[b]furans

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Abstract

Benzofuran itself is an oily chemical compound, extracted from coal tar, which is converted into a synthetic resin, used in different industries. Several derivatives of benzofuran occur naturally in some plants and are the scaffold in several natural products. However, most of them are synthesized via different synthetic routes. In this chapter, we try to highlight the recent advances in the synthetic approaches to this important heterocyclic system and wide variety of its derivatives.

Keywords

Benzofurans, Carbonylative cyclization, Sonogashira reaction, Fischer carbene complexes, Heck reaction, Heterocyclization, Modified Sonogashira reaction,