Synthesis of pinane thromboxane A2 via Suzuki-Miyaura coupling

ABSTRACT


This project focuses on the synthesis of pinane thromboxane A2 via a Suzuki-Miyaura coupling. Advantages of this route include the first example of the use of the Suzuki coupling with this compound, fewer steps within the synthesis and the use of non-toxic chemicals. Accomplishing the Suzuki-Miyaura coupling has proven to be the greatest challenge and will be described in detail (Scheme).

Scheme