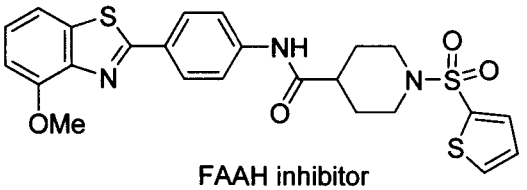
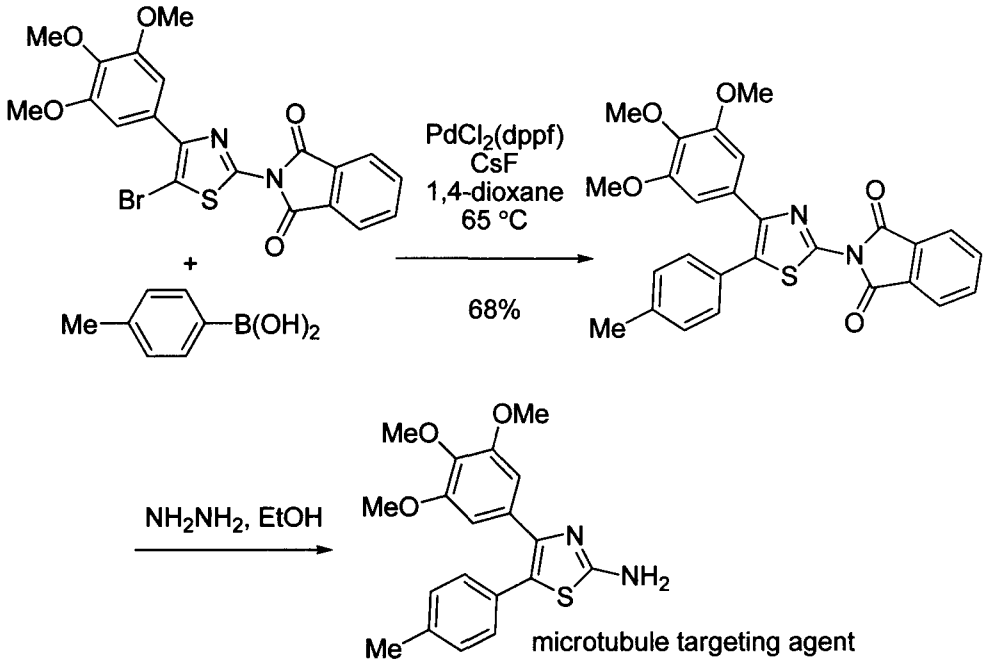


FAAH inhibitor

Romagnoli et al. have reported a convergent synthesis of a class of microtubule targeting agents where they applied the Suzuki–Miyaura reaction to highly substituted 5-bromothiazoles.[65] With various aryl boronic acid, highly substituted thiazole derivatives were prepared and evaluated for their anti-proliferative activity against a panel of human tumor cell lines.



microtubule targeting agent

7.3.2 Negishi coupling

Thiazoles and benzothiazoles are suitable partners in the Negishi coupling where typically they have been used as the corresponding nuclophilic zinc halides. 2-Thiazolylzinc halides can be prepared by deprotonation with *n*-BuLi and treatment of the anion with zinc halide (ZnX_2). The examples below illustrate the convenience of such a C–C bonding forming transformation.

Slee and co-workers at Neurocrine Biosciences have synthesized 2-amino-*N*-pyrimidin-4-ylacetamides as adenosine A_{2A} receptor antagonists.[66] A_{2A} is a type of G-protein-coupled receptor (GPCR) known to modulate