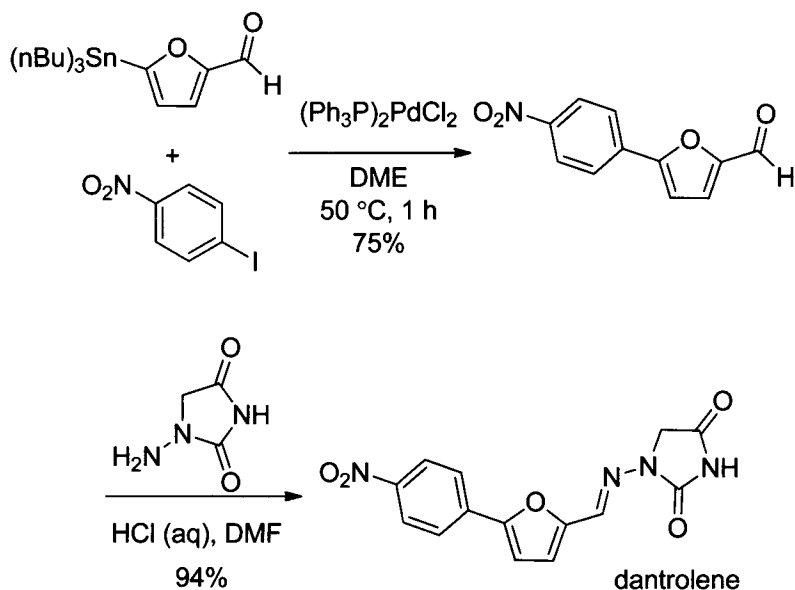


Suzuki and co-workers recently applied a Stille coupling reaction to synthesize dantrolene and several of its congeners.⁶⁸ Coupling of 4-nitro iodide with 5-(tri-butylstannyl)-2-furaldehyde in the presence of dichloropalladium(II) triphenylphosphine gave the corresponding 5-*p*-nitrophenyl-2-furaldehyde in 75% yield. Condensation with 1-aminohydantoin produced the desired dantrolene in 94% yield (71% yield over two steps).



Ceftin is a second-generation broad-spectrum cephalosporin antibiotic used to treat bacterial infections resulting in Lyme's disease, bronchitis, sinusitis, tonsillitis, otitis, skin infections, gonorrhea, and urinary tract infections, and it is considered the antibiotic of choice for otitis media. Ceftin functions by inhibiting bacteria cell wall biosynthesis.