

Abstract:

Investigation of the Tanzanian *Dendrosenecio kilimanjari* subsp. *cottonii* resulted in the isolation of the cinchona alkaloid, cinchonidine (2). Conversion of cinchonidine to deoxy-cinchonidine was achieved in high yield using zinc dust in aqueous sulphuric acid. This illustrates the first reduction of a quinoline system using these reagents.