

**TOTAL SYNTHESIS OF MYCOSEROSIC ACID FROM
MYCOBACTERIUM TUBERCULOSIS AND THE PHEROMONE FROM
*MARGARODES PRIESKAENSIS***

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Methyl-branched polyketides occur widespread in nature. In particular deoxypolyketides are found in mycobacteria and insect pheromones, among others. Efficient and highly enantioselective syntheses are key to produce these compounds for study in chemical biology and chemical ecology. We present a novel chemo-enzymatic desymmetrization strategy for the synthesis of oligomethyl-branched polyketides.