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SYNTHESIS AND NUCLEOPHILIC ADDITION REACTIONS OF A SERINE DERIVED AMINO ALDEHYDE

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The synthesis of the antibiotic (+)-obafluorin 2, isolated from strains of Psuedomonas fluorescens, is being explored. A precursor in the overall proposed synthesis is the serine derived amino aldehyde 1. The synthesis of compound 1 and several nucleophilic addition reactions to the aldehyde has been investigated. The results of these experiments will be presented.