

Publication

A six-step total synthesis of α -thujone and d6- α -thujone, enabling facile access to isotopically labelled metabolites

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The short synthesis of alpha-thujone relies on the functionalization of the readily available dimethylfulvene. Furthermore, the three main metabolites of the natural product were also synthesized. Since d(6)-acetone can be used as a starting material, the route developed allows for the facile incorporation of isotopic labels which are required for detecting and quantifying trace amounts via GC/MS analysis.

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