

FACILE PREPARATION OF 2,6-DIMETHYL-2,6-TETRAHYDROPYRANCARBOLACTONE,
A VERSATILE INTERMEDIATE FOR THE SYNTHESSES OF
(±)-FRONTALIN, (±)-CINENIC ACID, AND (±)-LINALOYL OXIDE

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2,6-Dimethylcyclohexanone has been converted to 2,6-dimethyl-2,6-tetrahydropyrancarb lactone (1) via 2,6-dimethyl-2,6-dihydroxycyclohexanone by base-catalyzed oxygenation. This lactone 1 can be used as a key intermediate for the syntheses of the title natural products in racemic forms.

