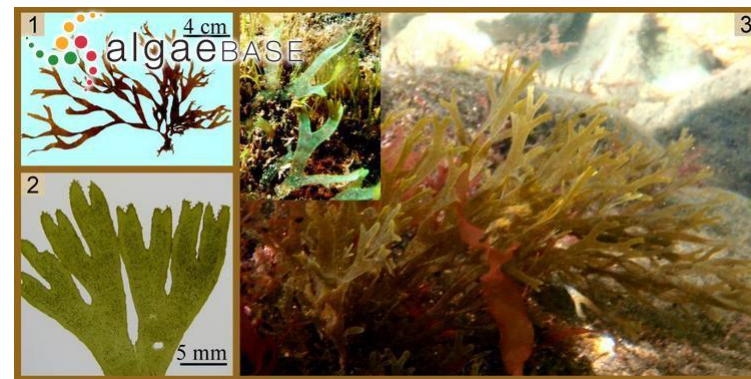
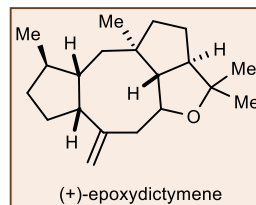


Introduction

- Isolated from the brown algae *Dictyota dichotoma*
- Fully characterized by Enoki *et al* in 1983
- Features a 5-8-5-5 fused ring system



Key Features in Synthesis

- (*R*)-pulegone establishes enantioselectivity
- Intramolecular Co-mediated tandem ring closure and [Pauson-Khand](#) to form skeleton
- Anionic 5-*exo-trig* cyclization to form *trans*-fused 5-5 ring system

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