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Quantitative metabolome, proteome and transcriptome analysis of midgut and fat body tissues in the mountain pine beetle, *Dendroctonus ponderosae* Hopkins, and insights into pheromone biosynthesis

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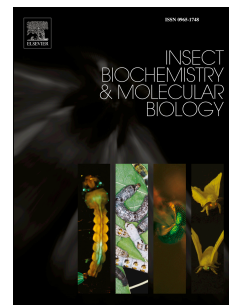
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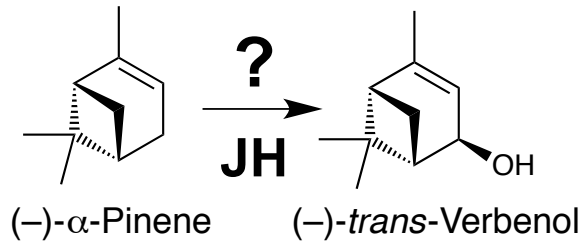
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Pheromone Biosynthesis

Females



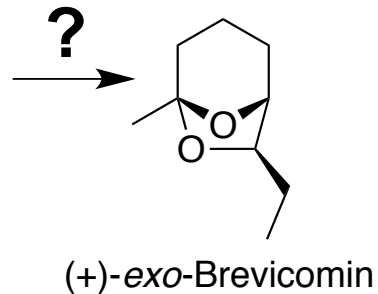
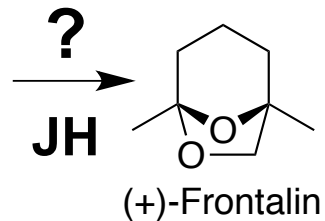
Midgut - Fat Bodies - Juvenile Hormone III

Metabolites

Proteins

Transcripts

Males



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