Supplementary information

A synthetic dodecanolide library for the identification of putative semiochemicals emitted by mantellid frogs

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1. Mass spectra of diastereomers of synthesized compounds and compariosn with natural compounds



Fig. S1 Mass spectra and gas chromatographic retention indices of natural compounds (left) and synthetic compounds (right).



2.¹H-NMR and ¹³C-NMR spectra of intermediates leading to 2-methyl-11-dodecanolide (7)











3.¹H-NMR and ¹³C-NMR spectra of intermediates leading to 4-methyl-11-dodecanolide (8)



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4.¹H-NMR and ¹³C-NMR spectra of intermediates leading to 6-methyl-11-dodecanolide (9)

















5.¹H-NMR and ¹³C-NMR spectra of intermediates leading to 8-methyl-11-dodecanolide (10)











6. ¹H-NMR and ¹³C-NMR spectra of intermediates leading to 10-methyl-11dodecanolide (11)









