

ESI for

**Aerobic epoxidation of β -ionone in water under mild conditions
using aldehyde as the catalyst precursor**

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NMR spectra of the products.....S2

NMR spectra of the products

5,6-Epoxy- β -ionone **2**, ^1H NMR, CDCl_3 , 400 MHz

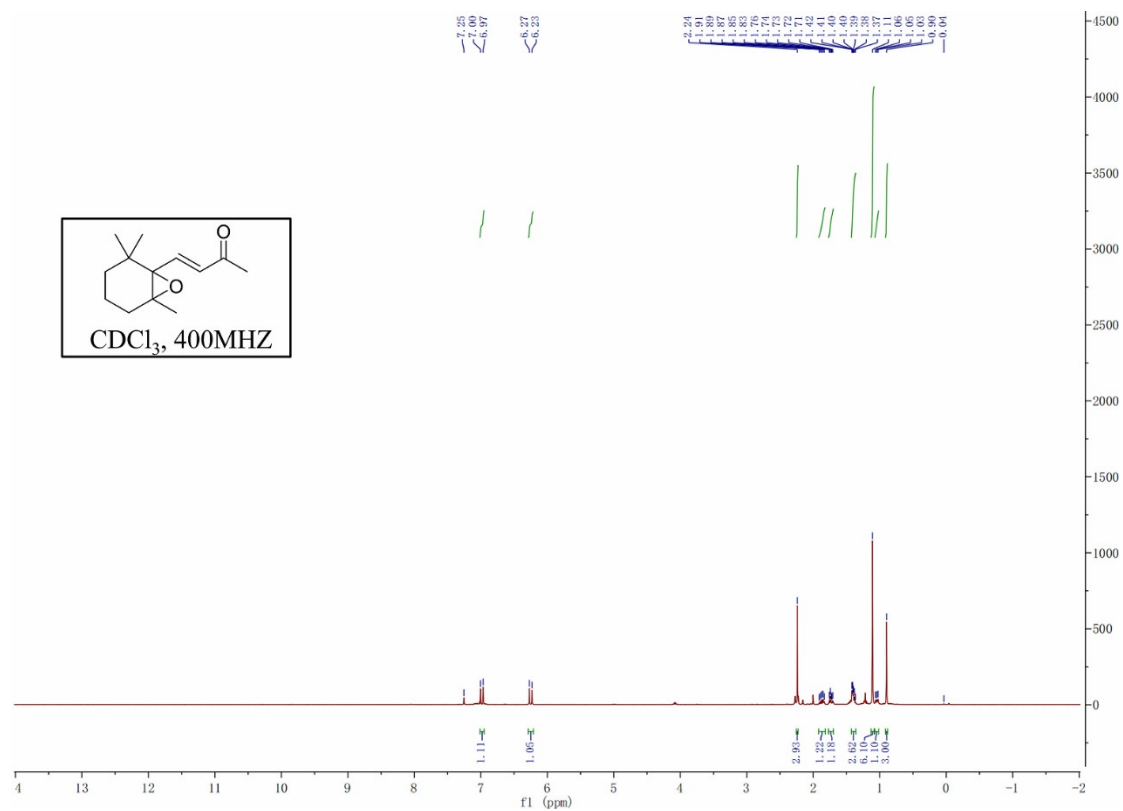


Figure S1. ^1H NMR spectrum of 5,6-epoxy- β -ionone **2**.

5,6-Epoxy- β -ionone **2**, ^{13}C NMR, CDCl_3 , 100 MHz

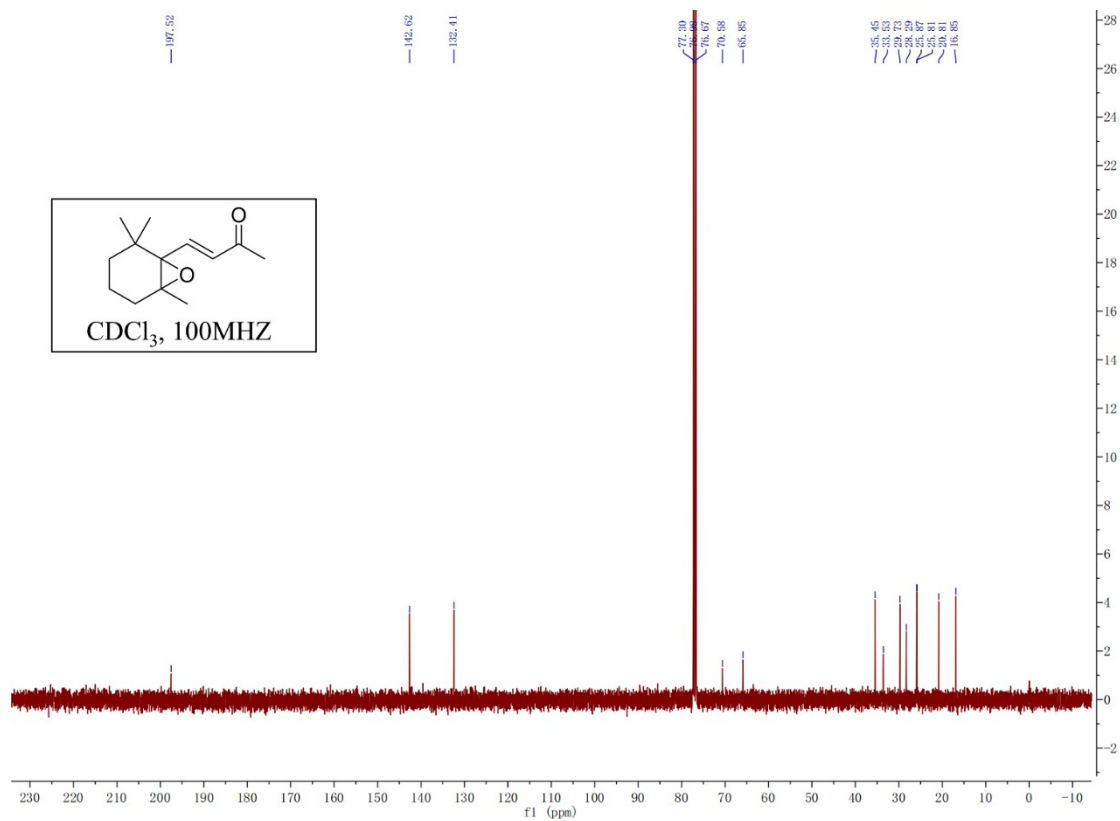


Figure S2. ^{13}C NMR spectra of 5,6-epoxy- β -ionone **2**.

1-(Naphthalen-2-yl)ethan-1-one **11**, ^1H NMR, CDCl_3 , 400 MHz

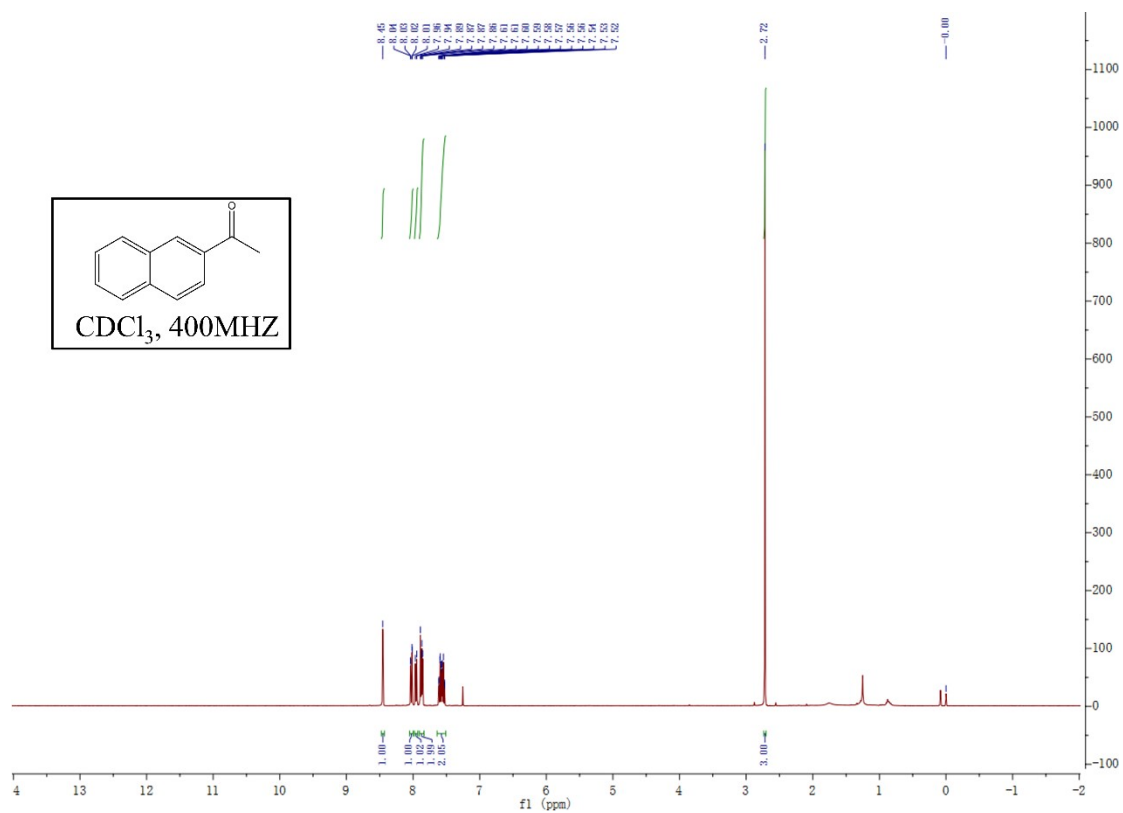


Figure S3. ^1H NMR spectra of 1-(naphthalen-2-yl)ethan-1-one **11**.