

# Supporting Information

## Gas Phase Production and Loss of Isoprene

### Epoxydiols

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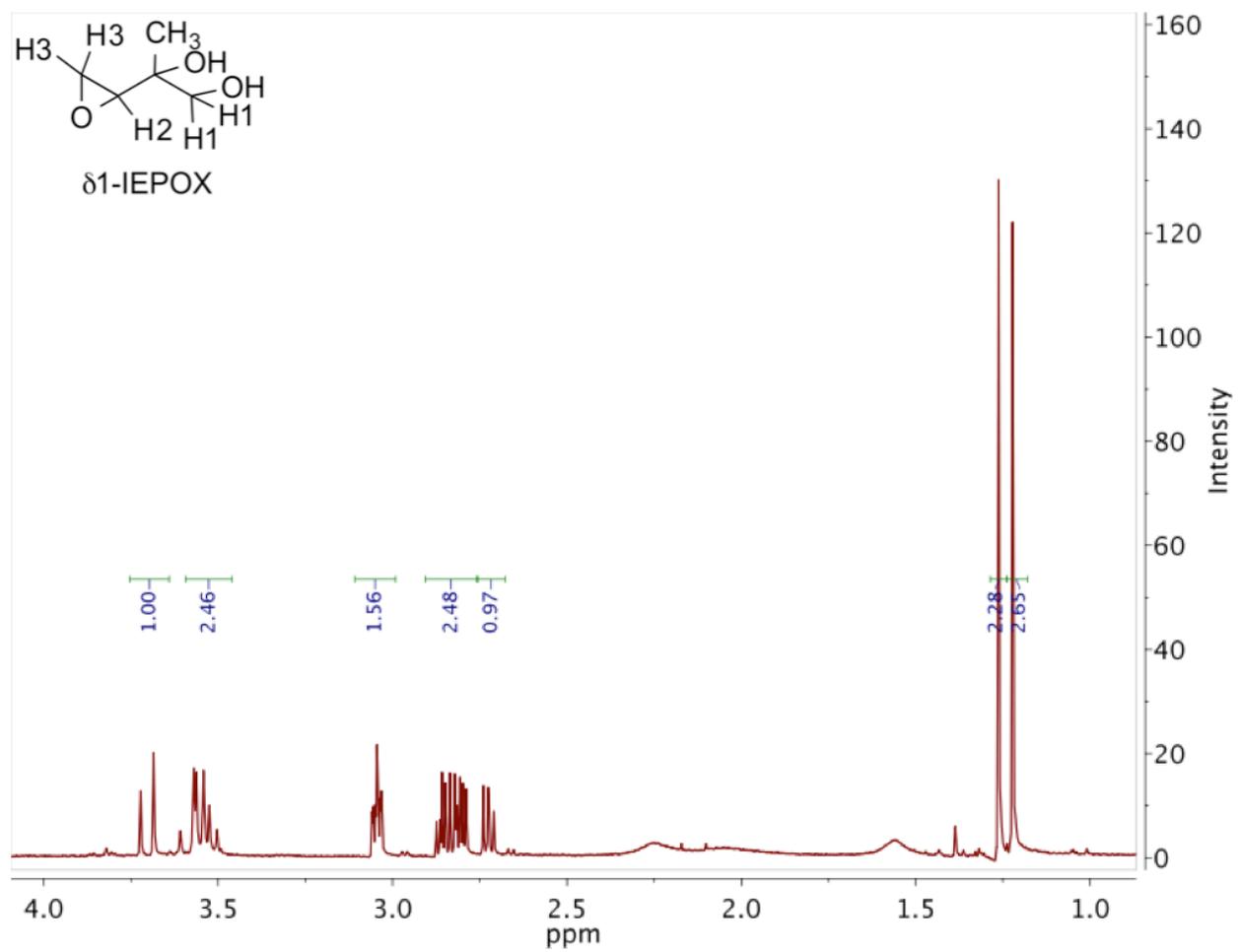
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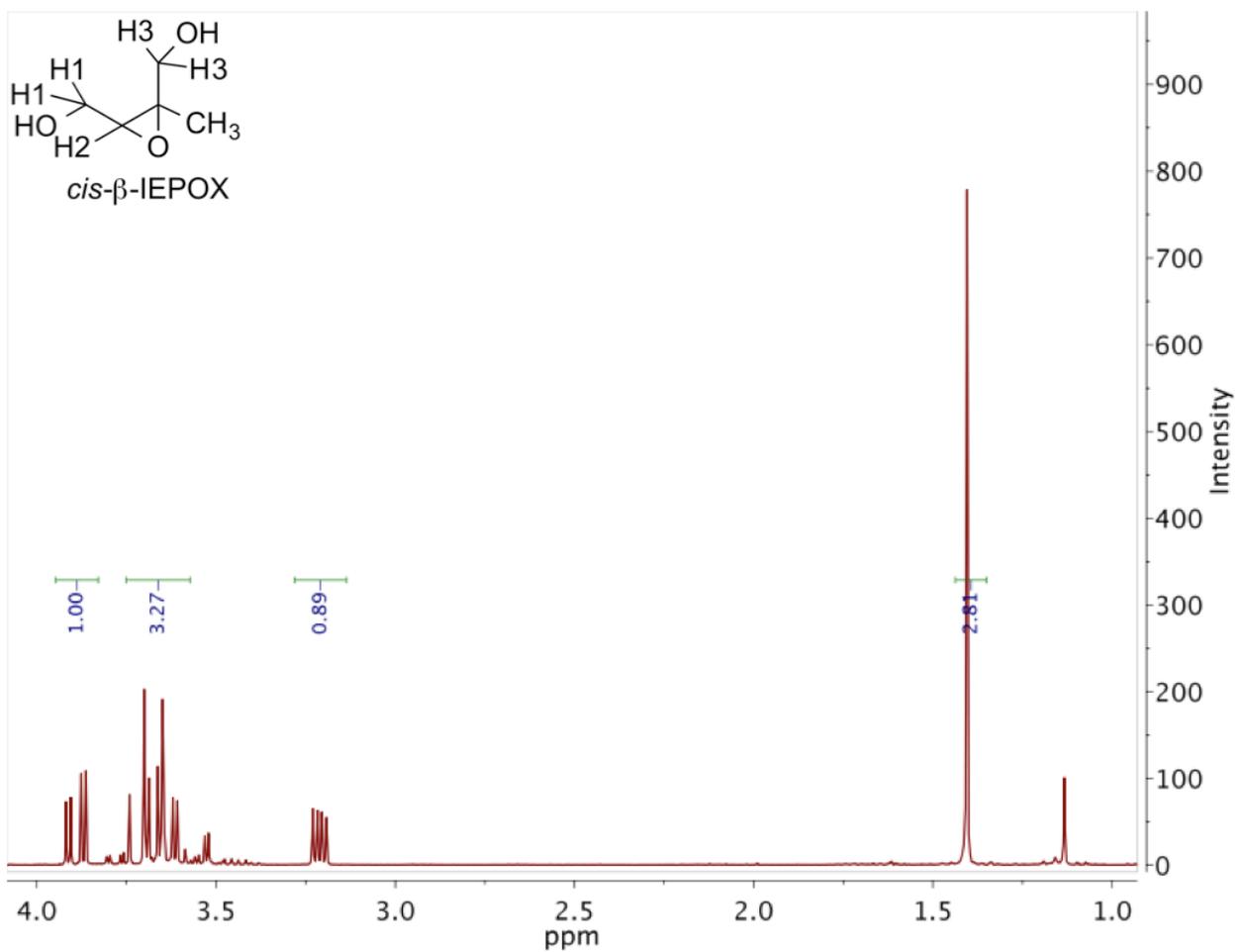
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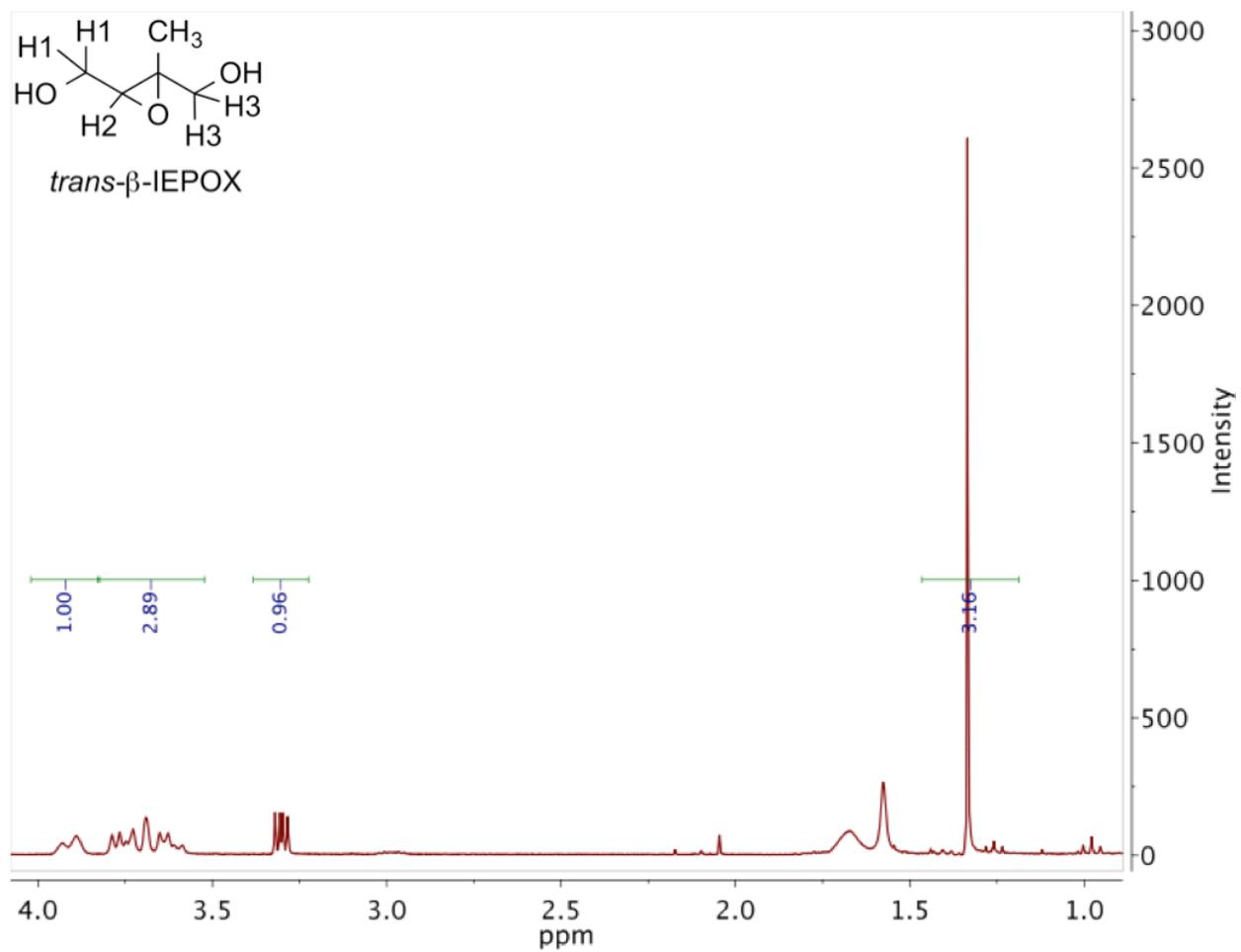
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**Figure S1:** <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>) of δ1-IEPOX.



**Figure S2:**  $^1\text{H}$  NMR (300 MHz,  $\text{D}_2\text{O}$ ) of *cis*- $\beta$ -IEPOX.



**Figure S3:** <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>) of *trans*-β-IEPOX.