

***Interactive comment on “Technical Note:
Synthesis of isoprene atmospheric oxidation
products: isomeric epoxydiols and the
rearrangement products *cis*- and
trans-3-methyl-3,4-dihydroxytetrahydrofuran” by
Z. Zhang et al.***

Anonymous Referee #2

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This manuscript describes a procedure for the synthesis of a series of isoprene epoxydiol isomers and their rearrangement products that are recently described by the same authors. These authentic standard compounds are essential for better understanding of isoprene oxidation mechanisms and their roles in isoprene SOA formation. It provides very detailed synthetic procedures and analytical information for those of us who are interested in synthesizing these compounds. Overall, the manuscript is clearly organized and very well written. It is suitable for publication as is.

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Interactive comment on Atmos. Chem. Phys. Discuss., 12, 14247, 2012.