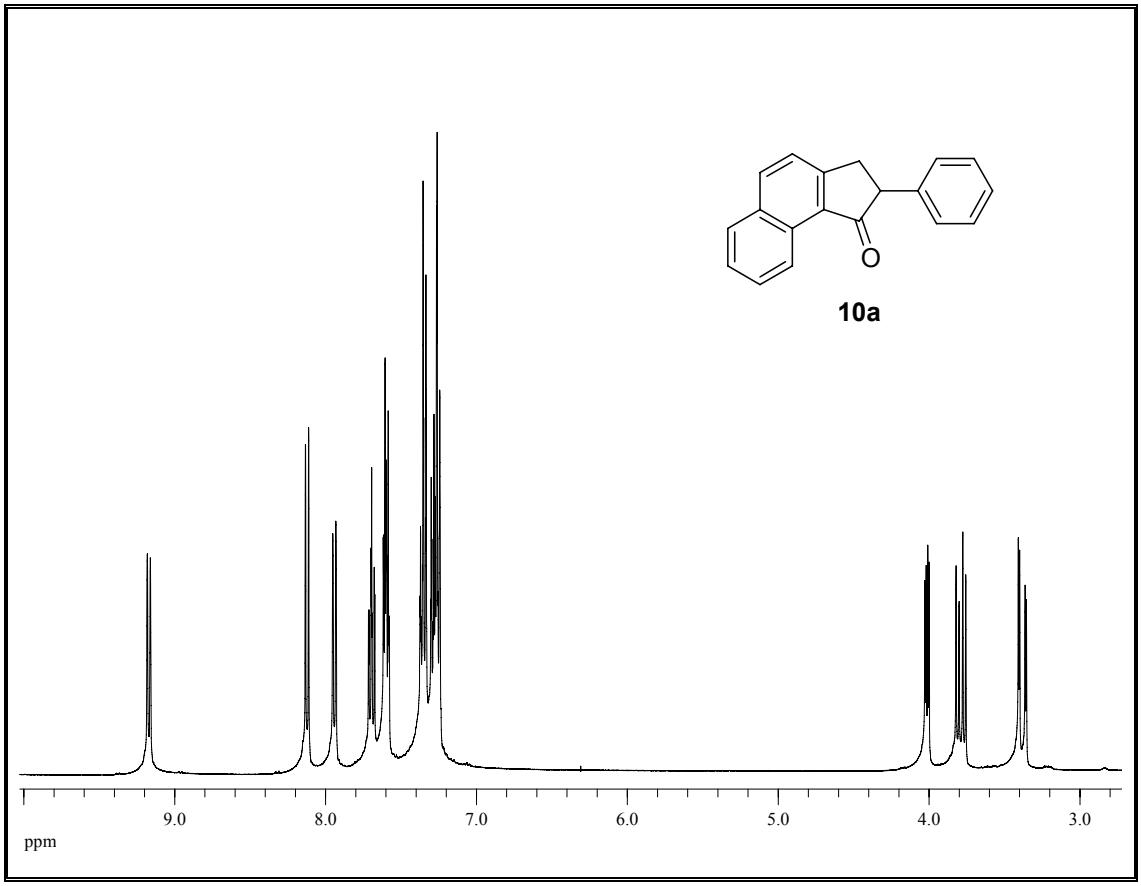
Fine Tuning of the Rotary Motion by Structural Modification in Light Driven Unidirectional Molecular Motors.

*Javier Vicario, Martin Walko, Auke Meetsma and Ben L. Feringa**

Department of Organic and Molecular Inorganic Chemistry, Stratingh Institute, University of Groningen, Nijenborgh 4, 9747 AG, Groningen, The Netherlands.

E-mail: B.L.Feringa@rug.nl.

1H NMR, UV-Vis and CD spectra.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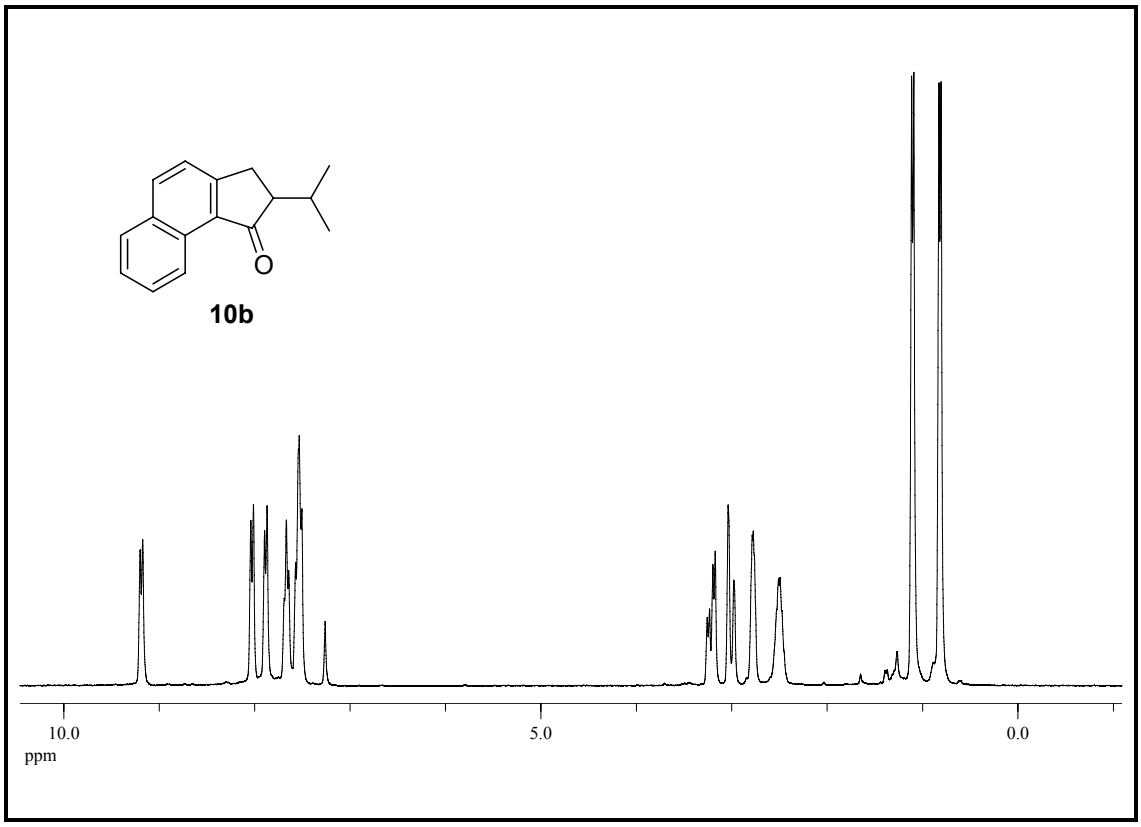
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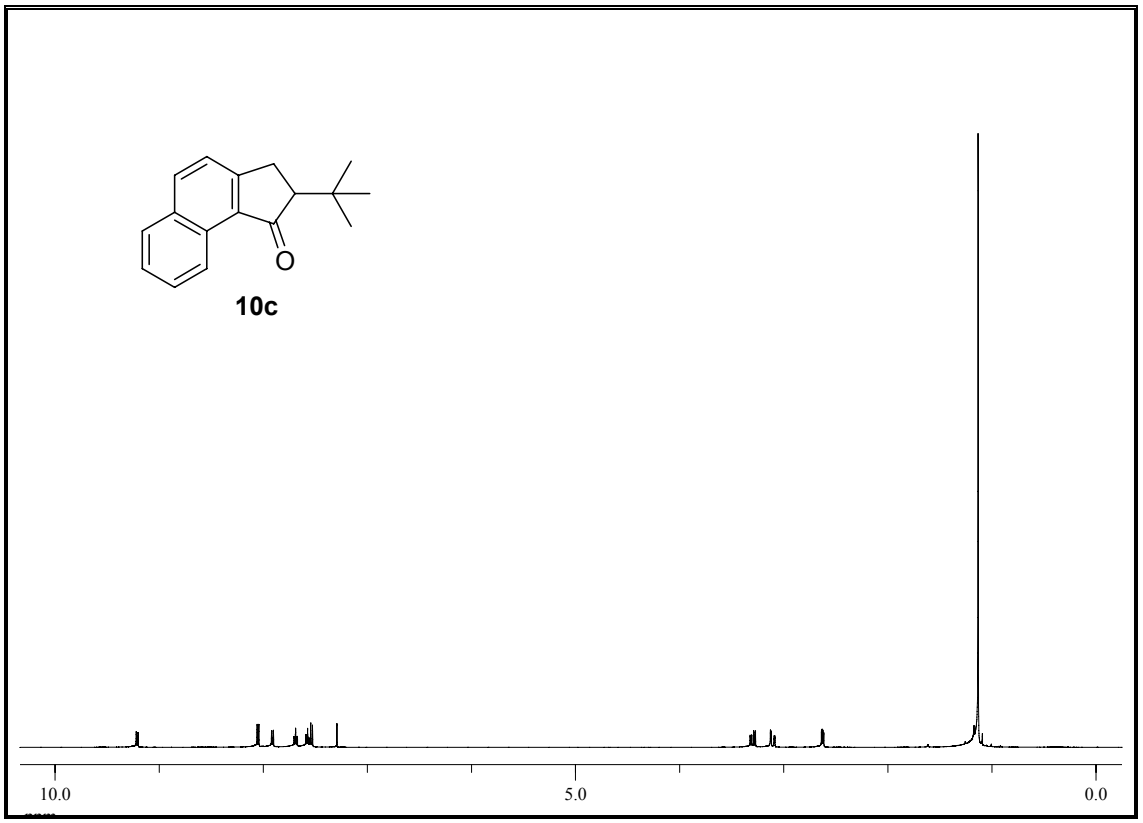
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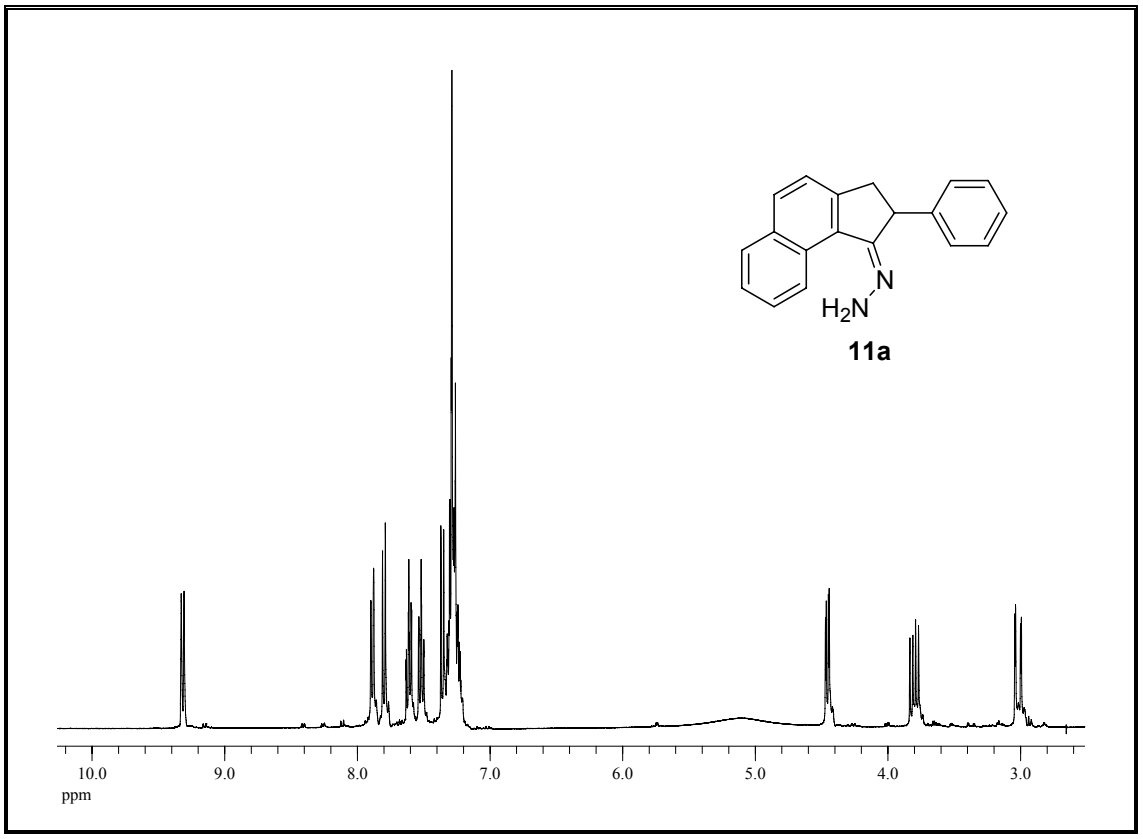
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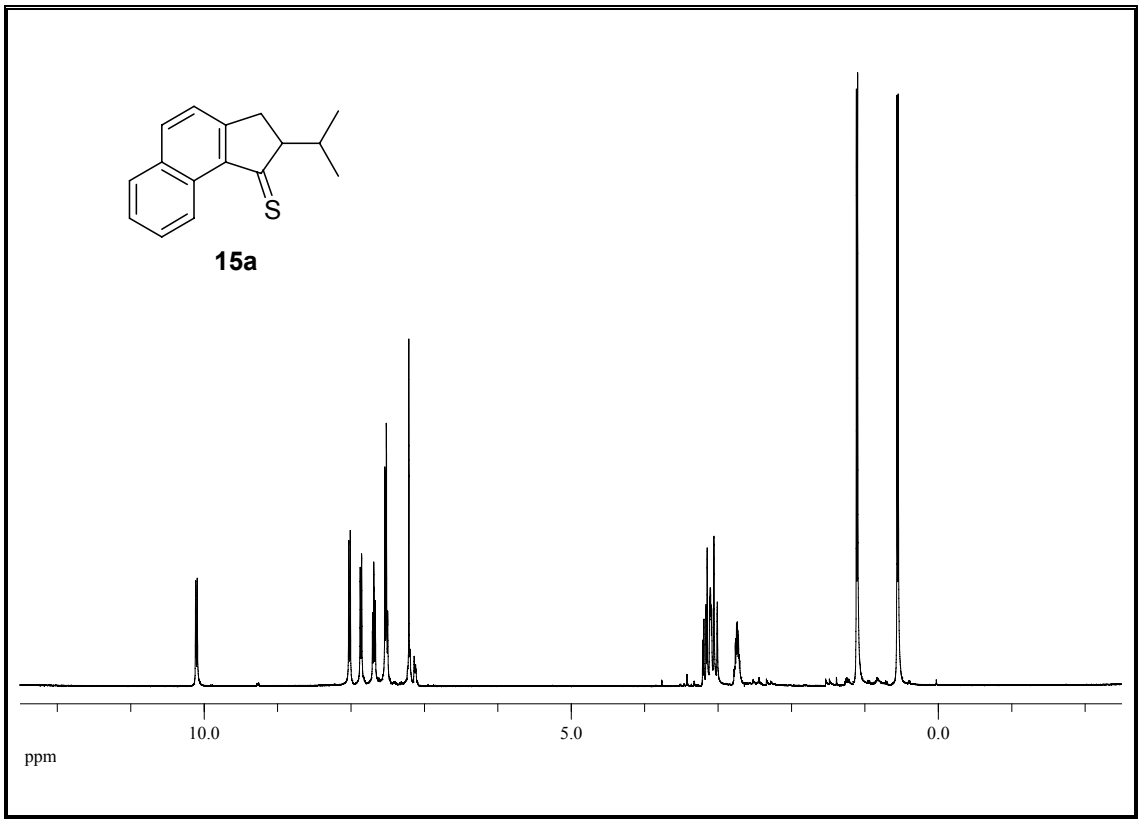
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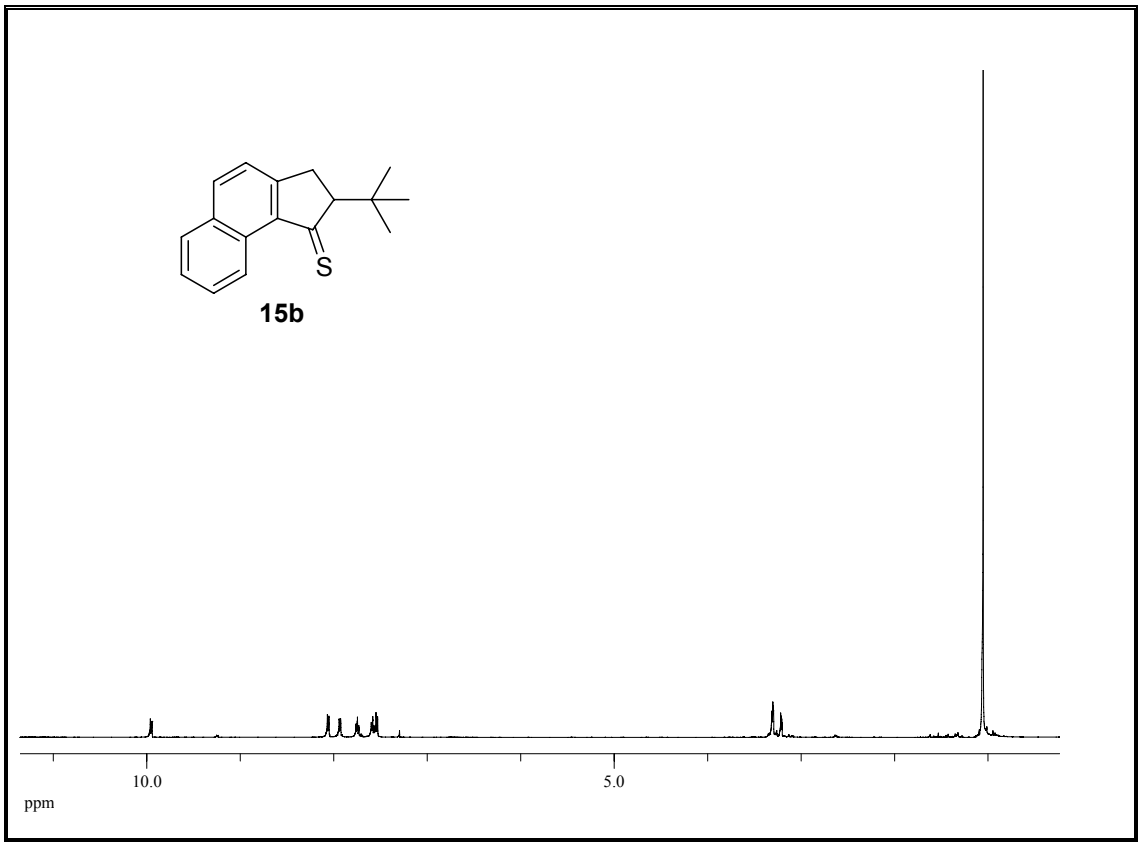
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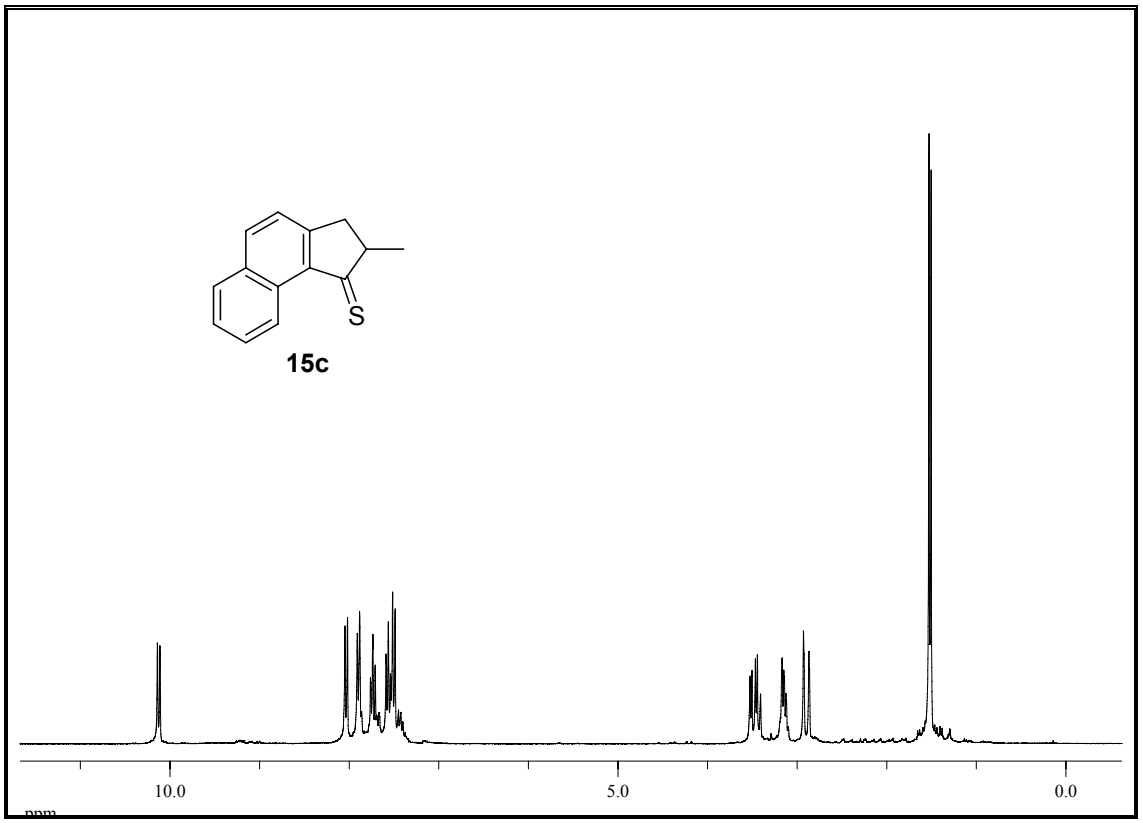
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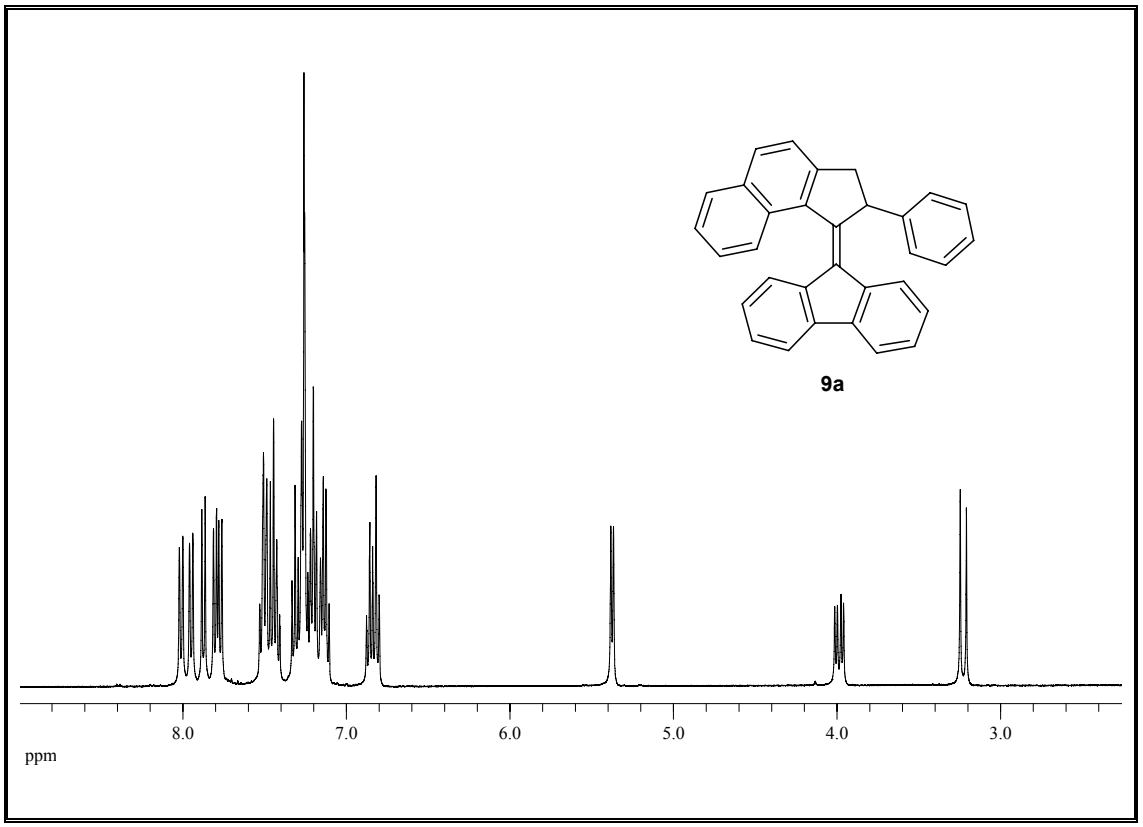
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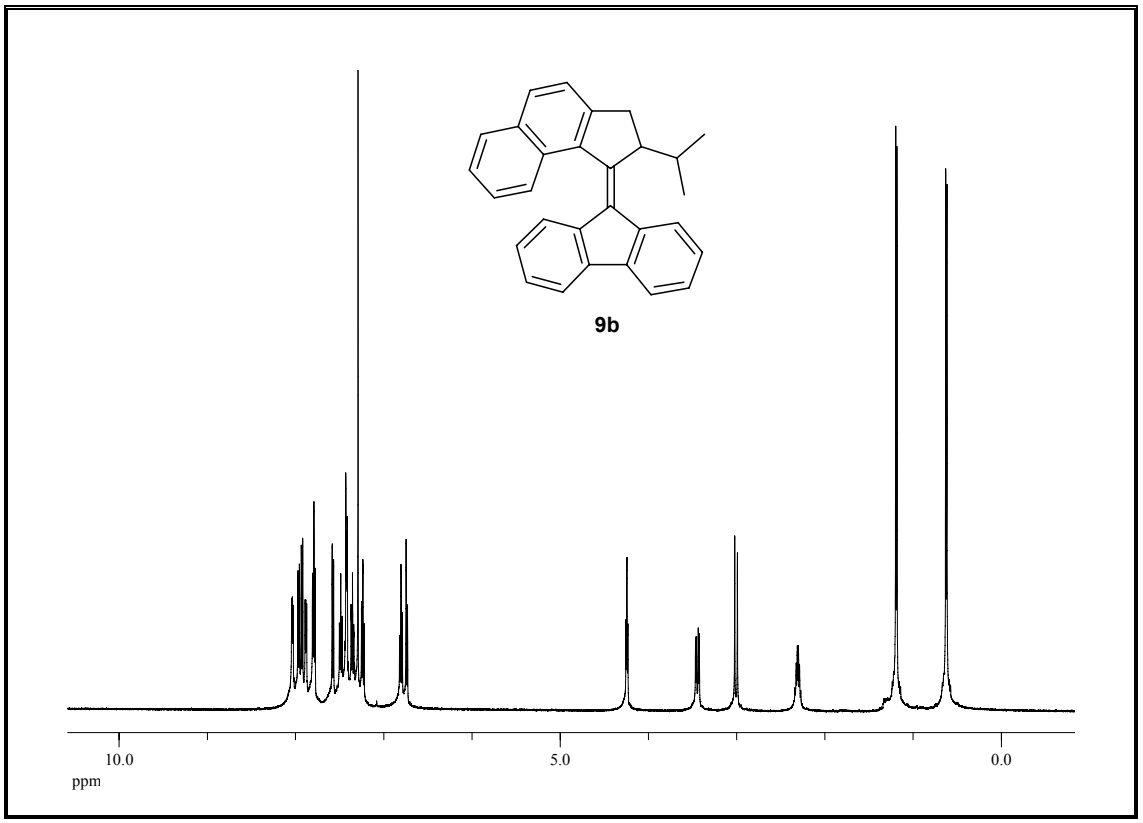
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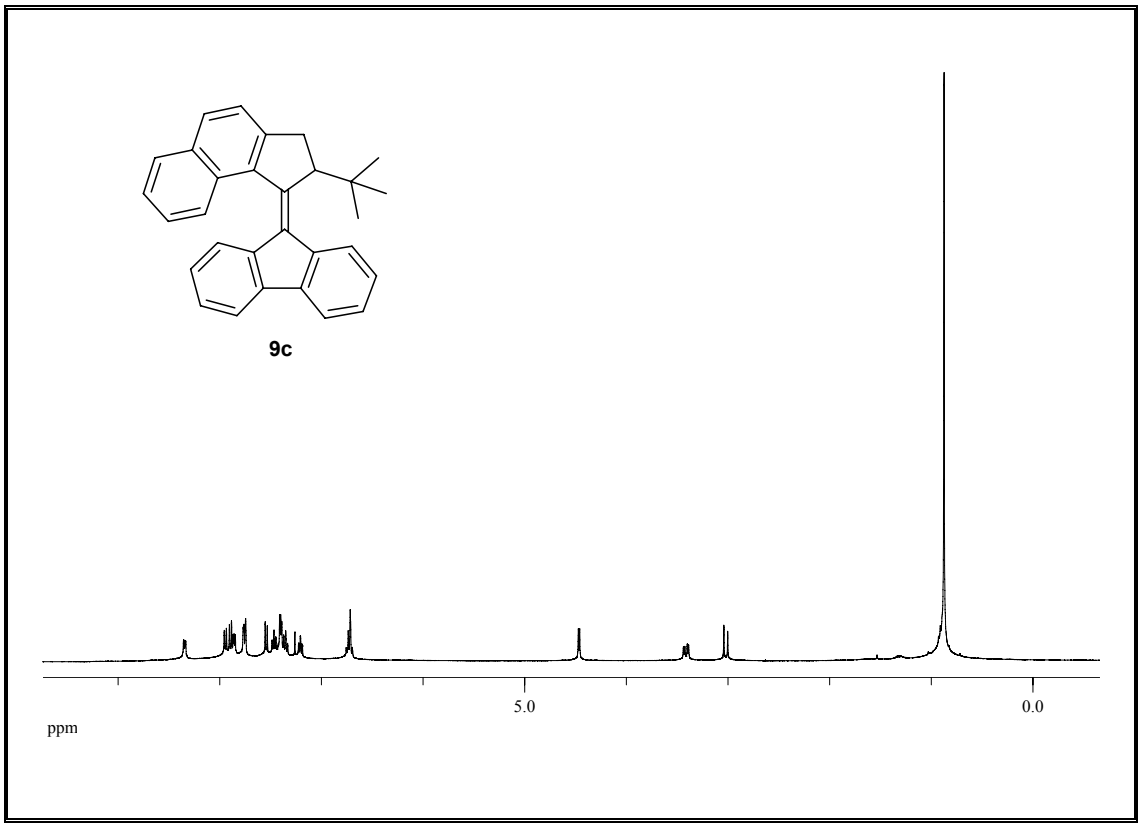
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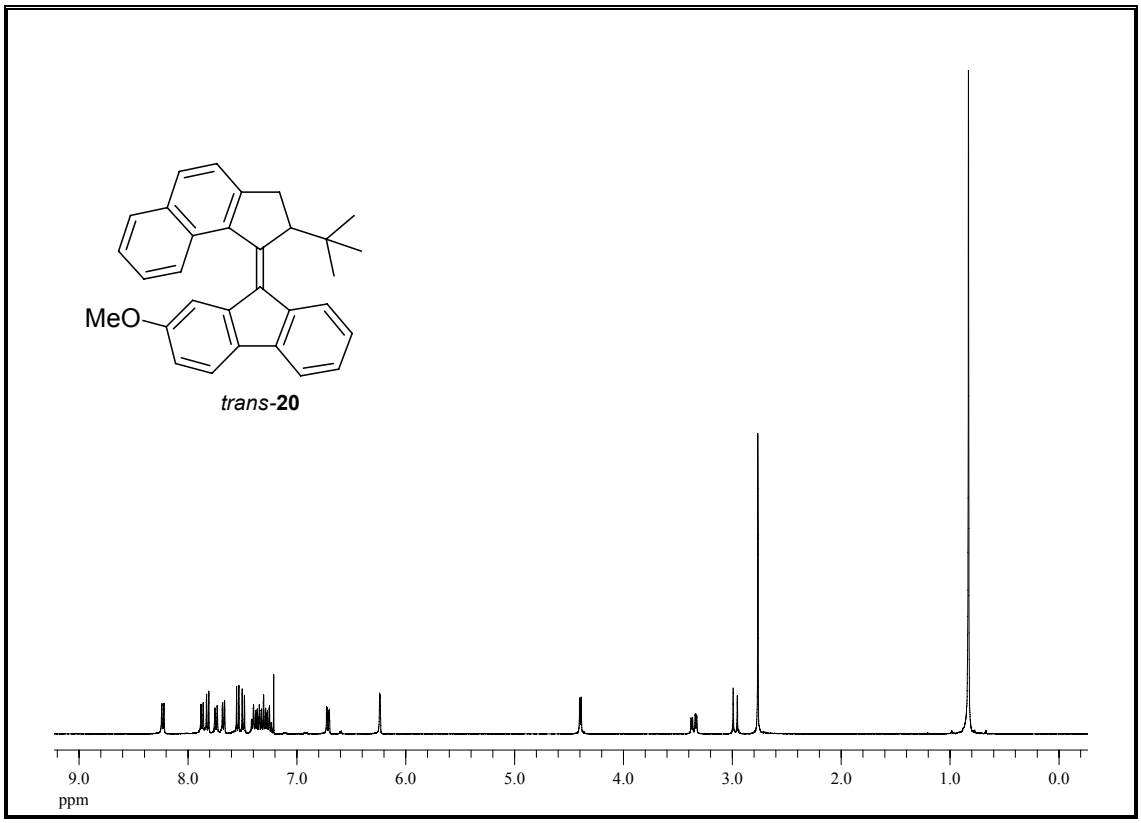
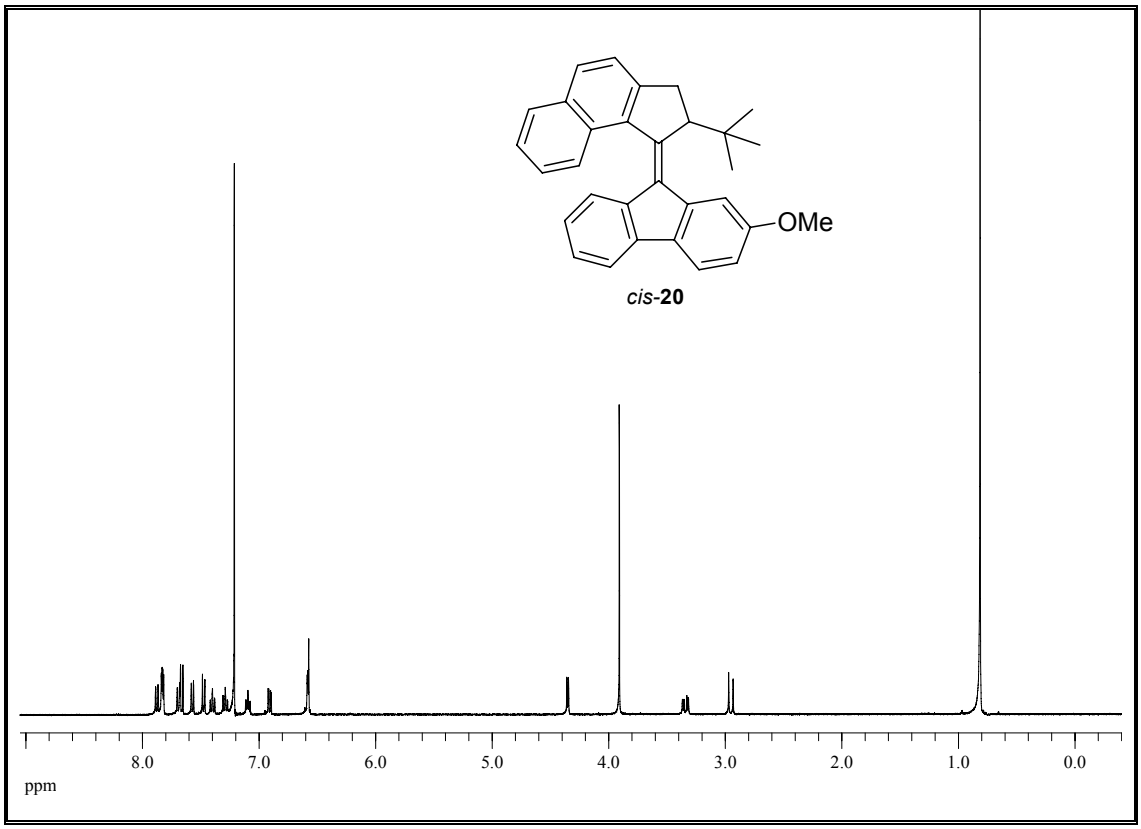
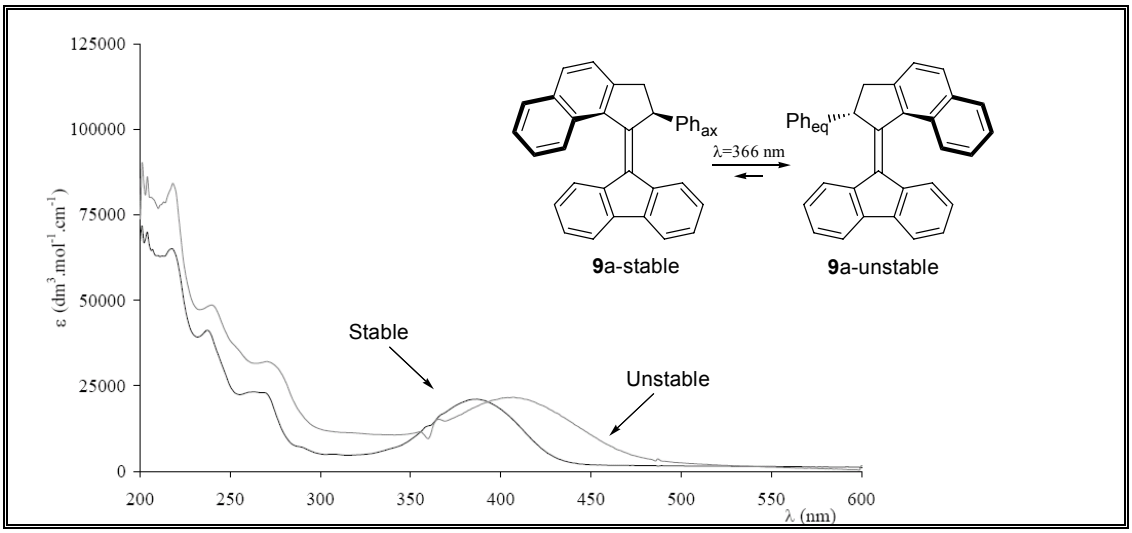


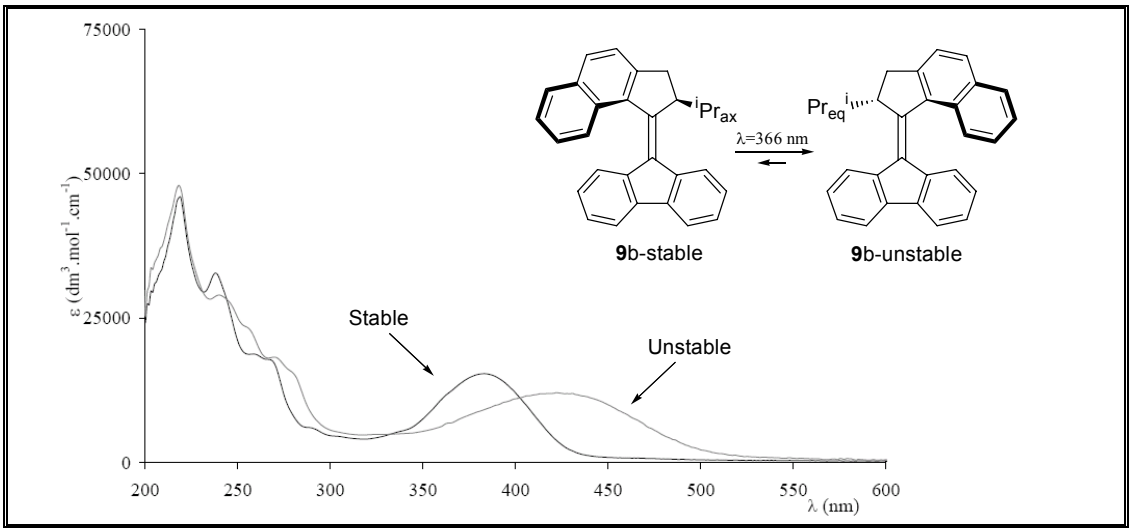
trans-**20**

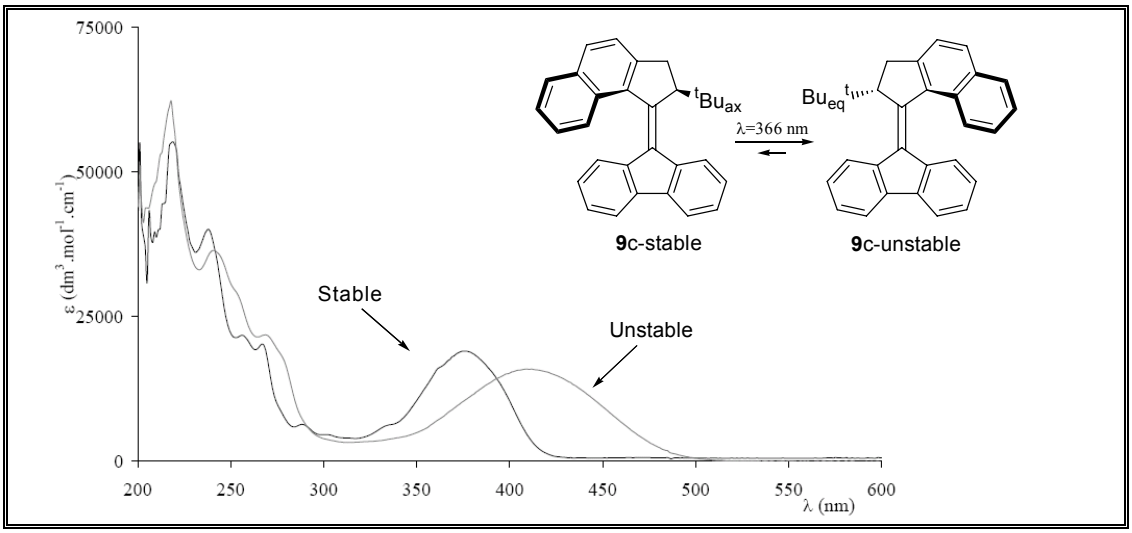


cis-**20**

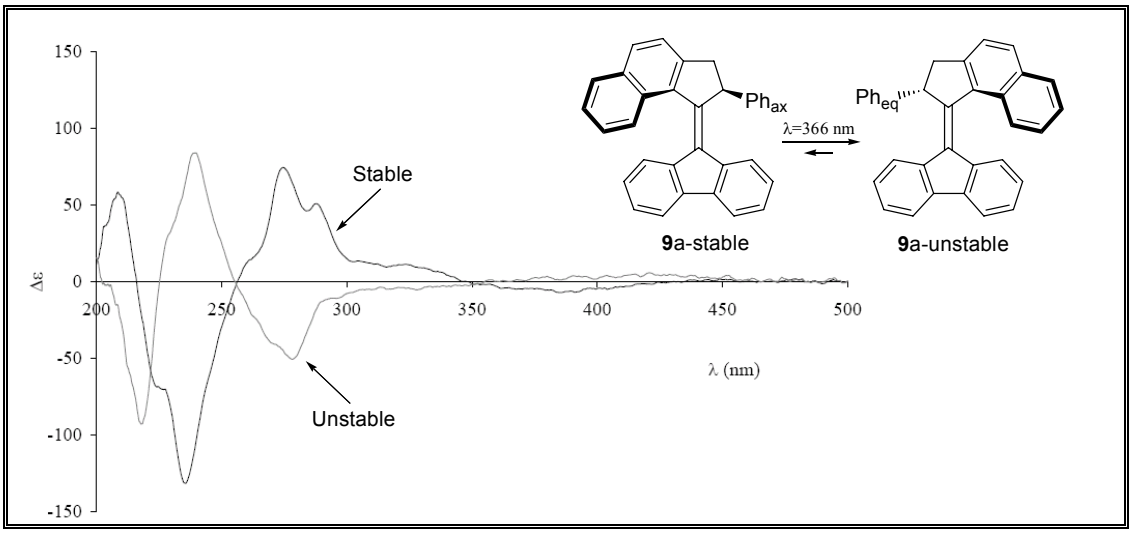
UV-Vis Spectra of stable and unstable isomers of alkenes 9.

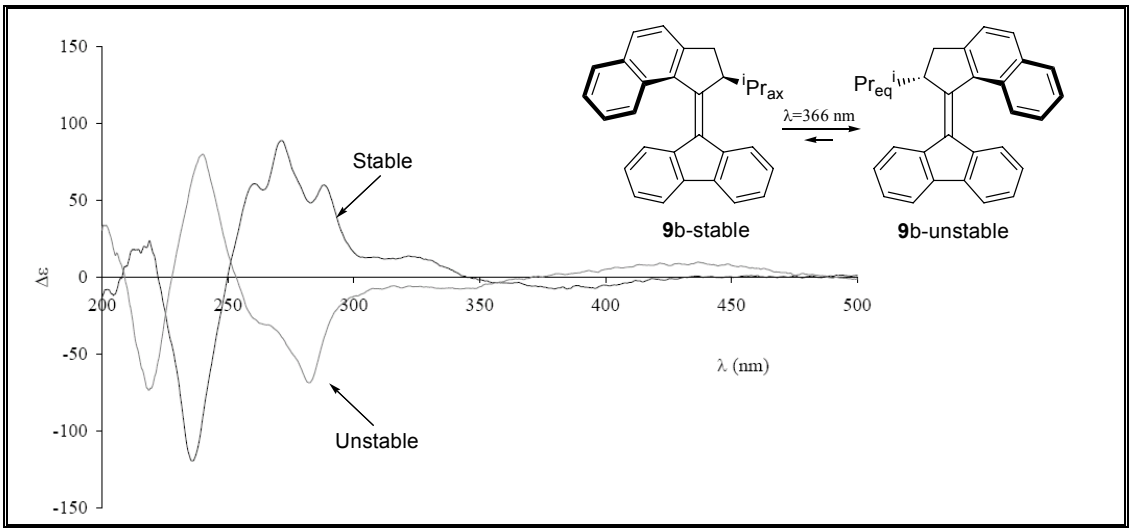


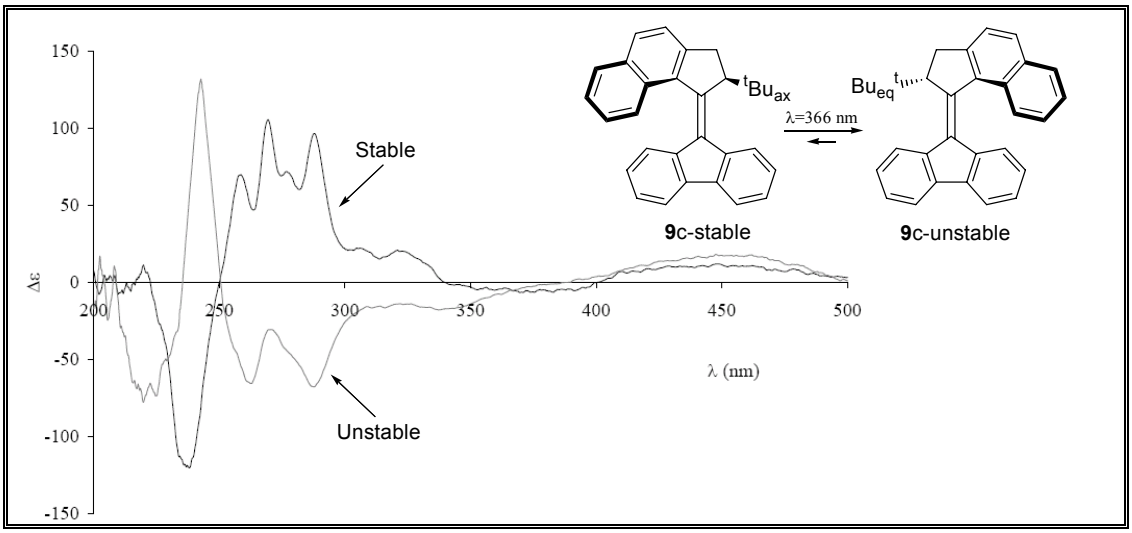




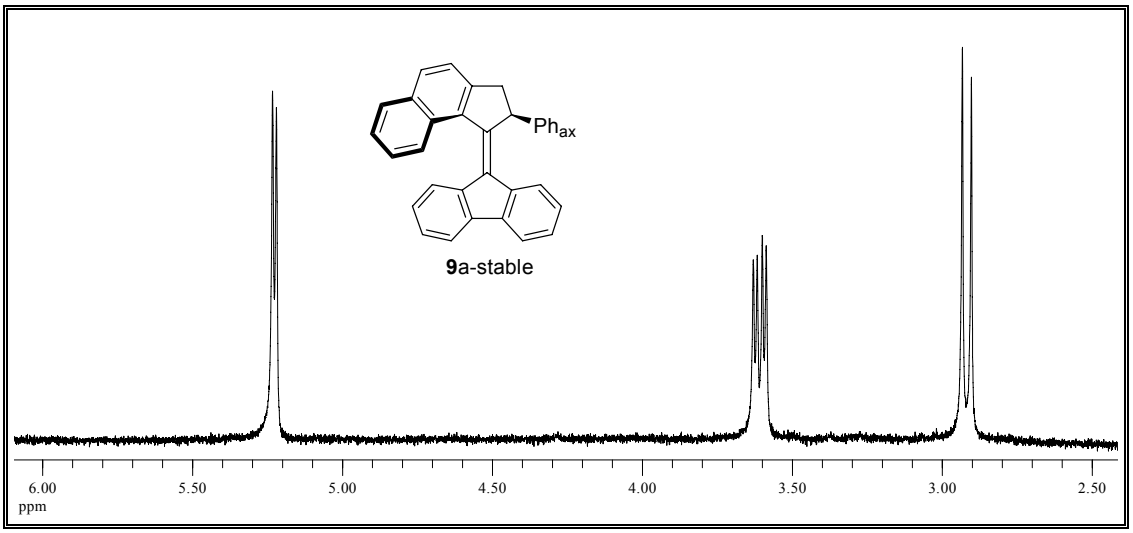
CD Spectra of stable and unstable isomers of alkenes 9.

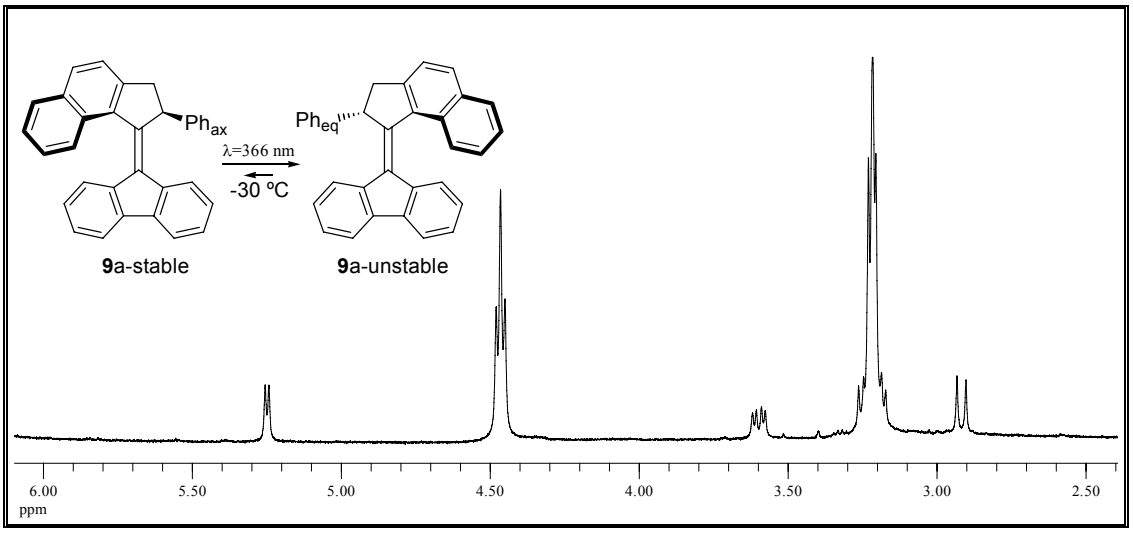


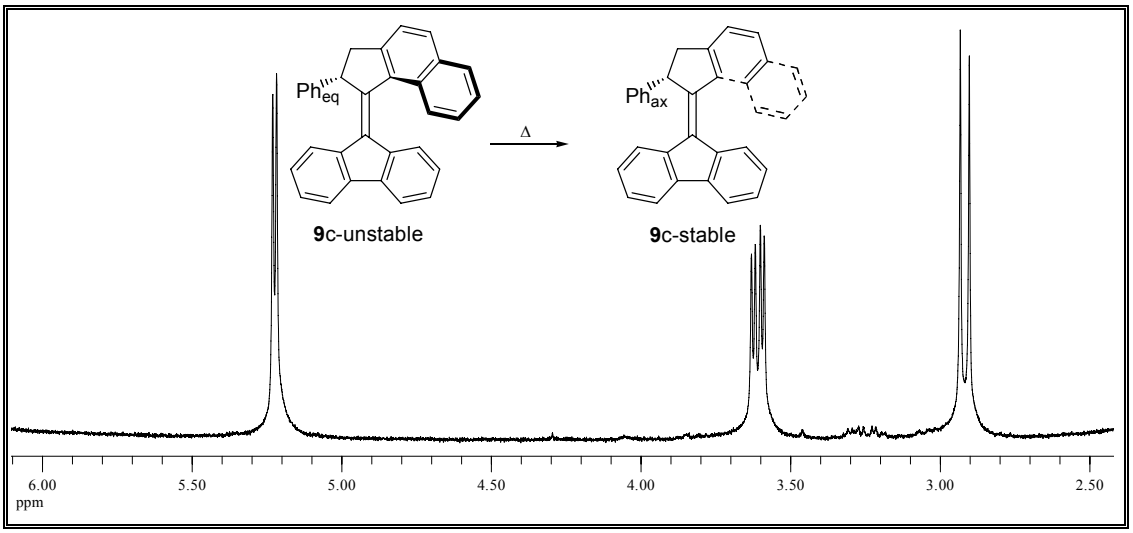


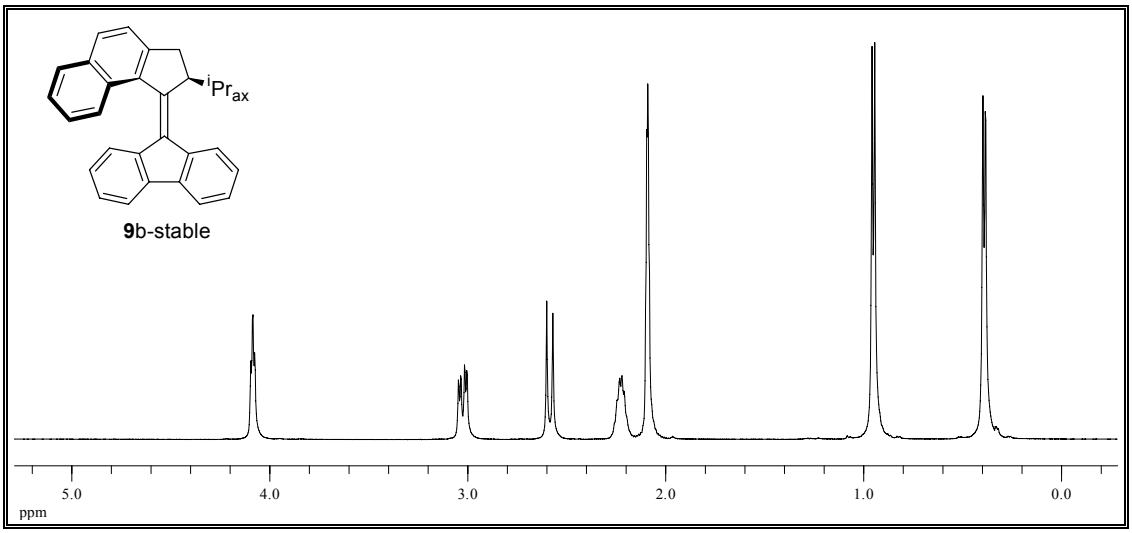


^{1}H NMR monitorization of photochemistry for alkenes 9.





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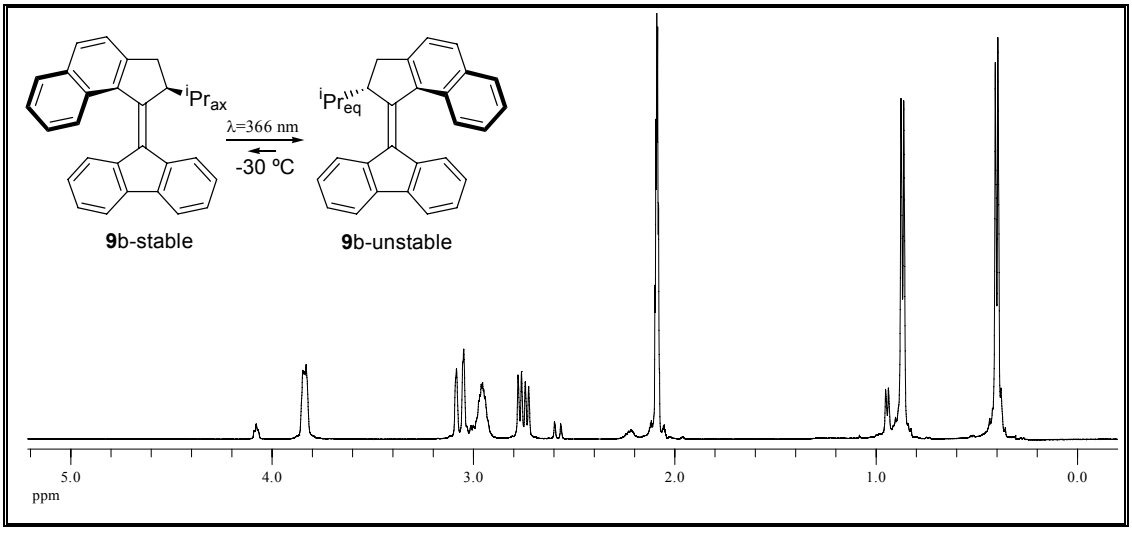
1.0
0.0
ppm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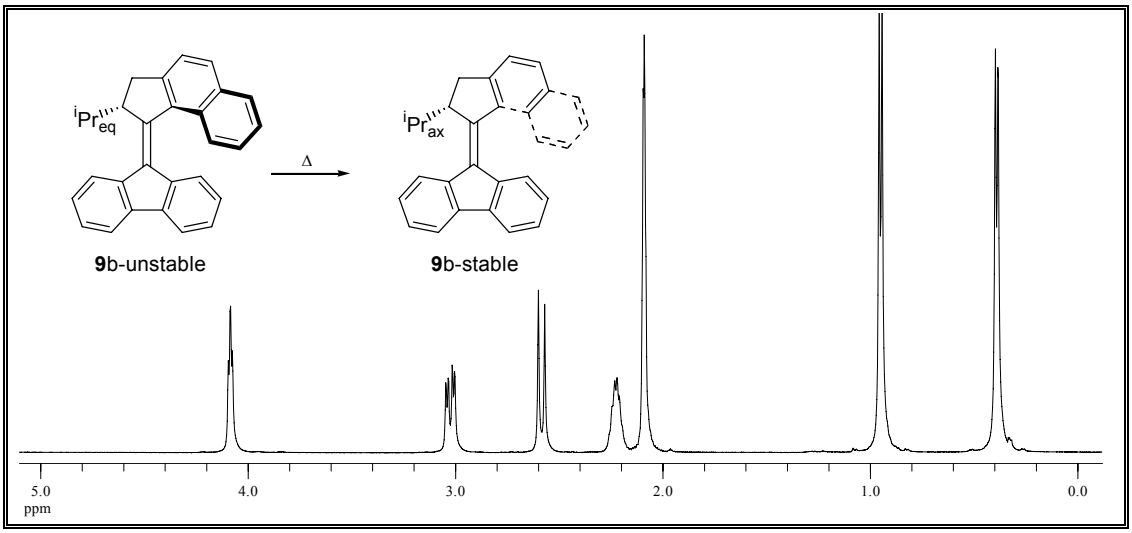
iPreq
iPrax
Δ
9b-unstable
9b-stable
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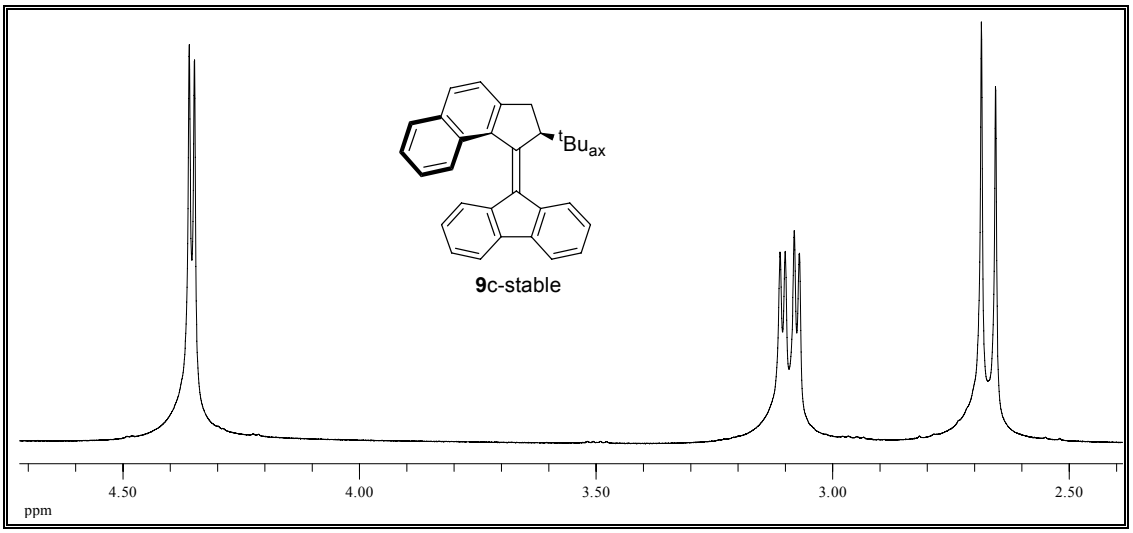
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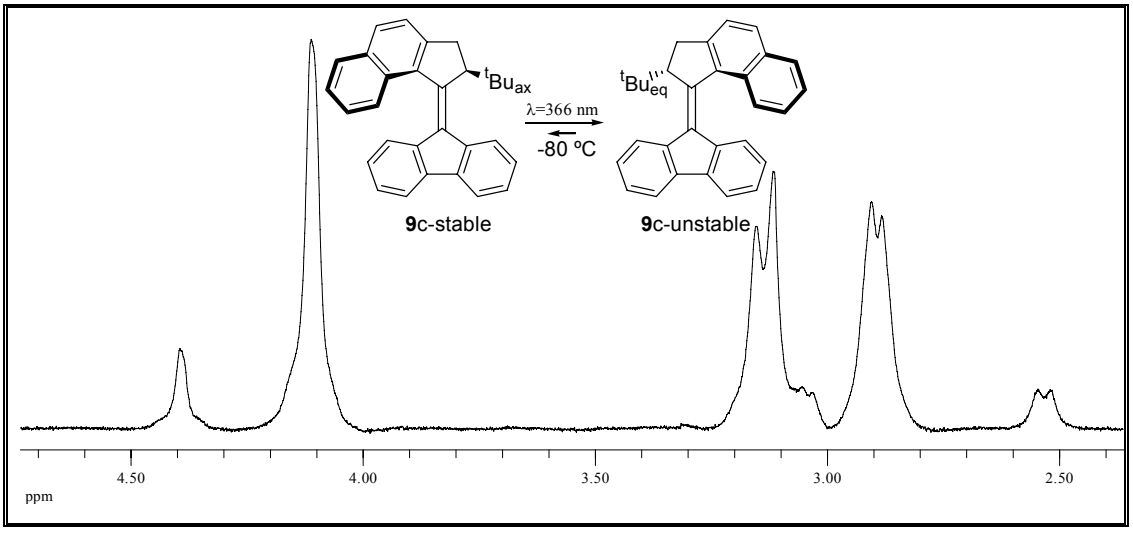
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tBueq
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9c-unstable
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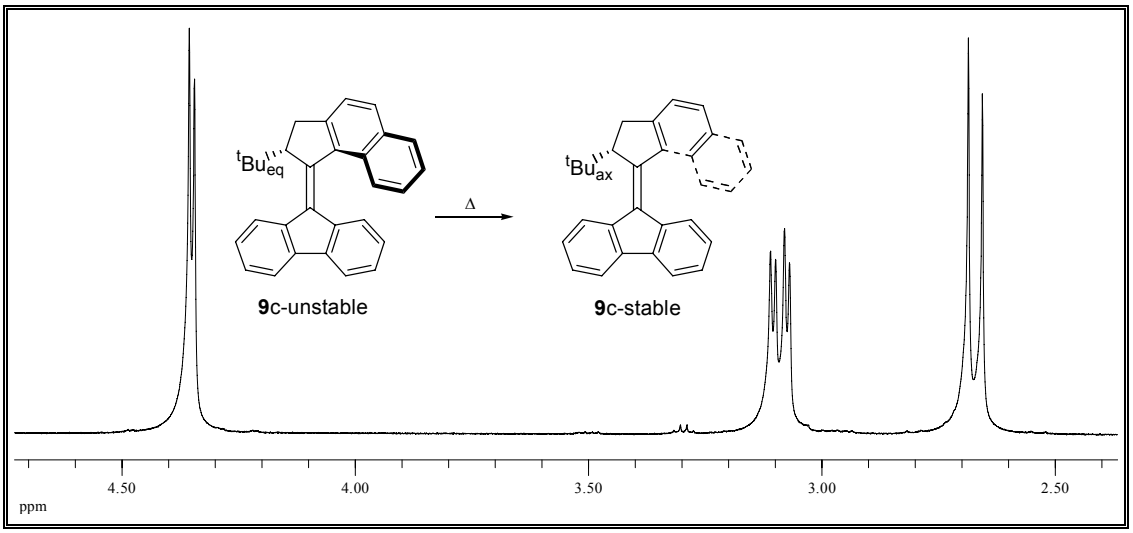
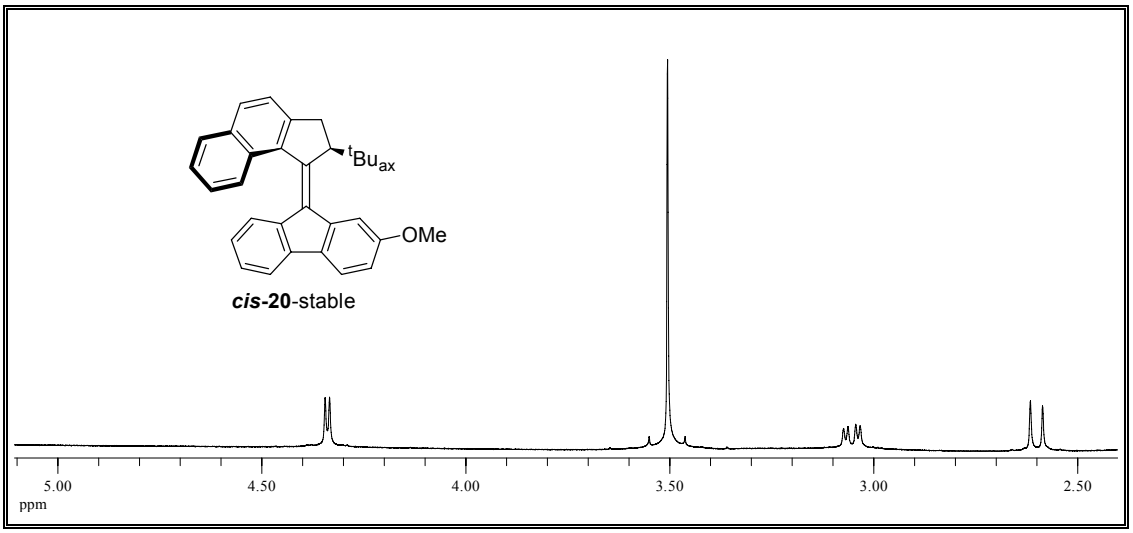
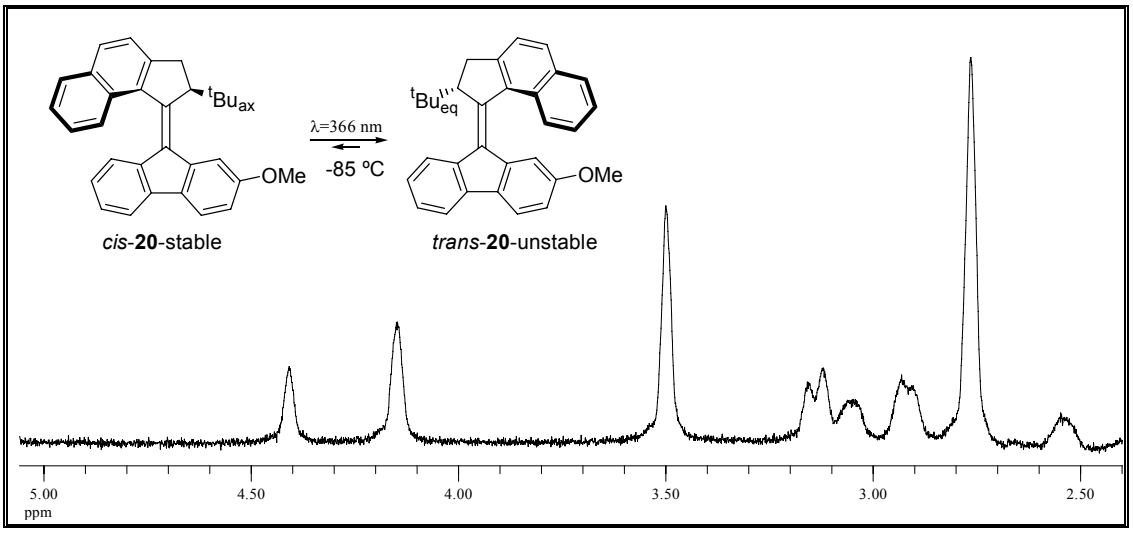
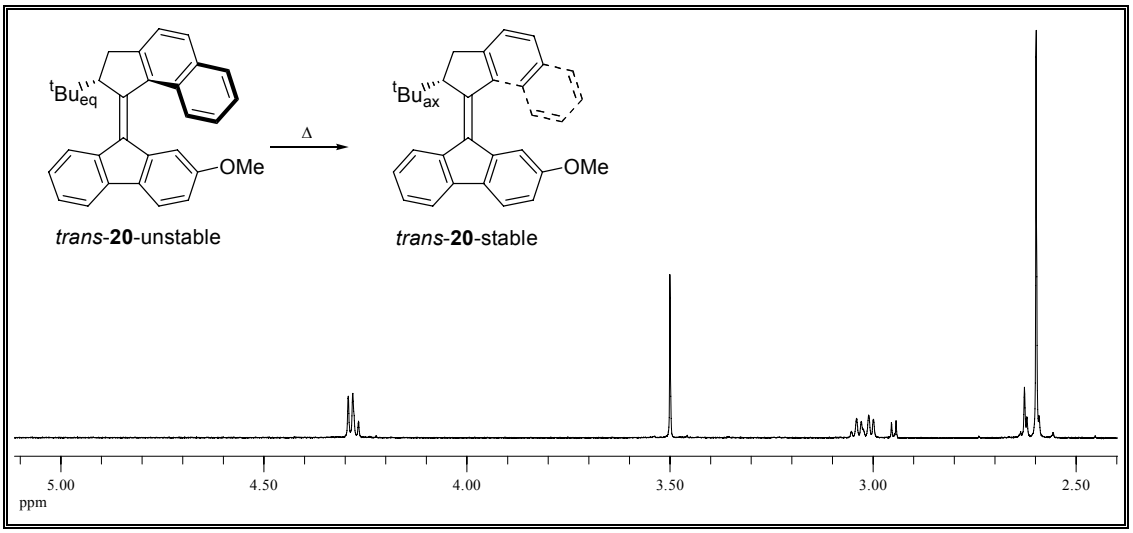
ppm

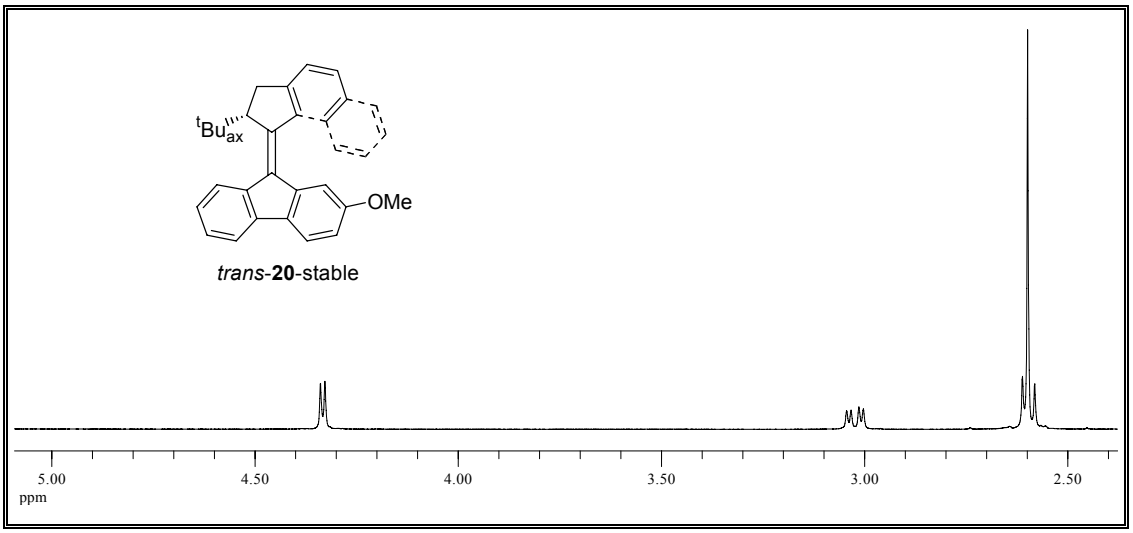

tBueq
tBuax
Δ
9c-unstable
9c-stable
4.50
4.00
3.50
3.00
2.50
ppm

^{1}H NMR monitorization of 360º unidirectional cycle for alkene 20.





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3.00
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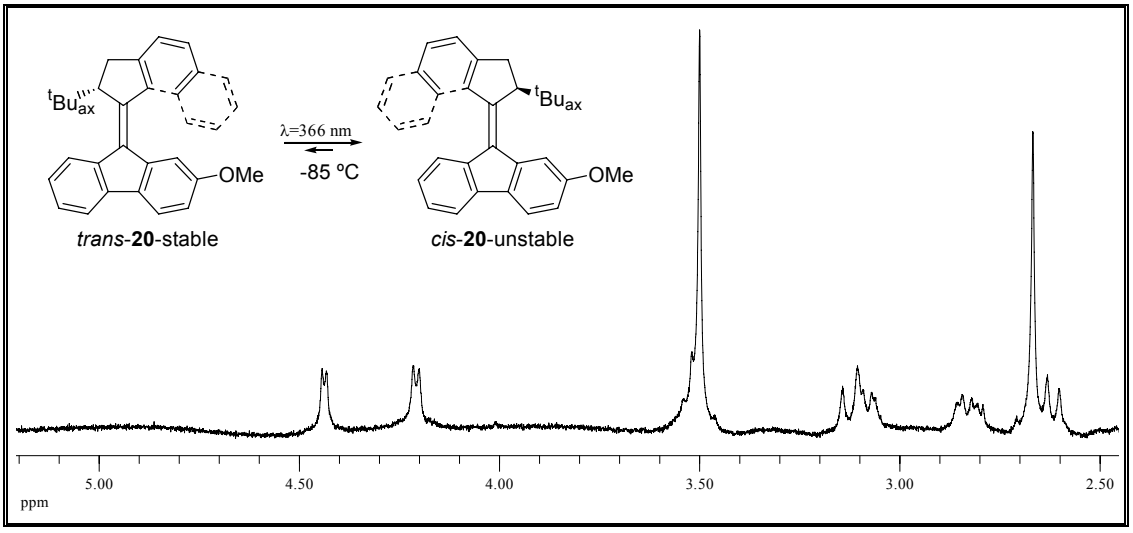
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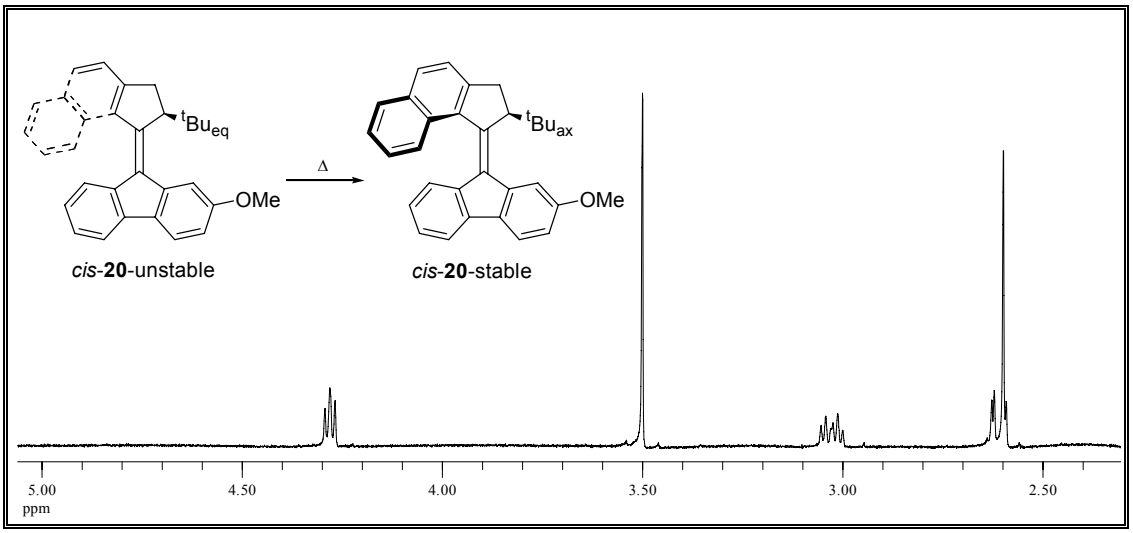
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Δ
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OMe
cis-20-stable
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4.00
3.50
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ppm