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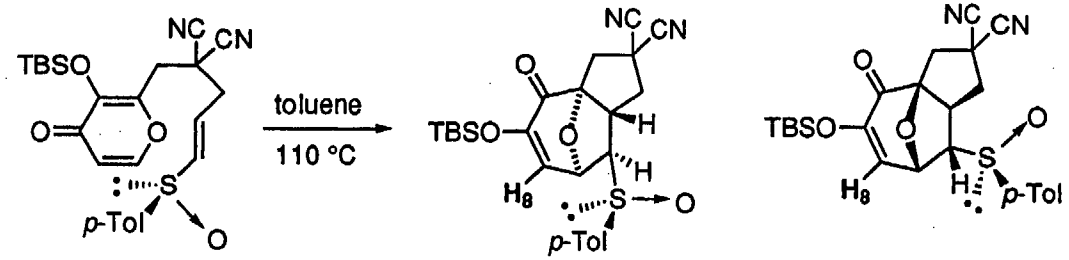
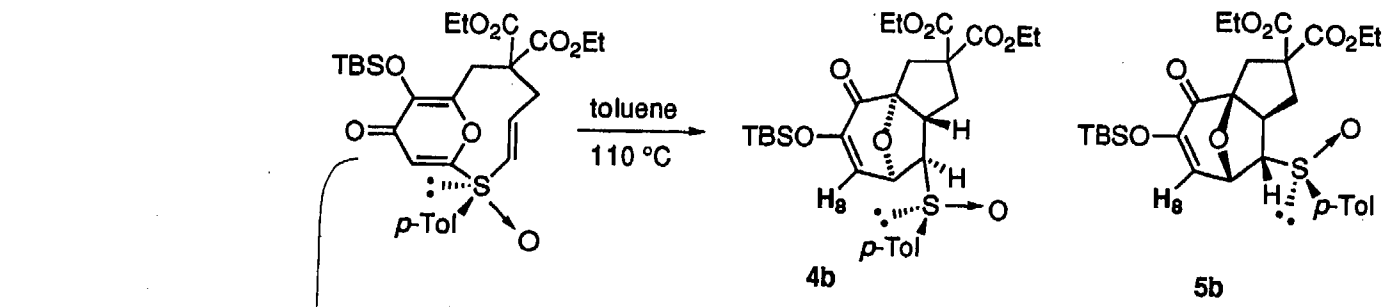
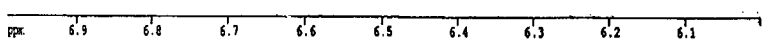
Diastereomeric ratio for **4a**, **5a**.[1]H NMR spectrum of the crude reaction mixture

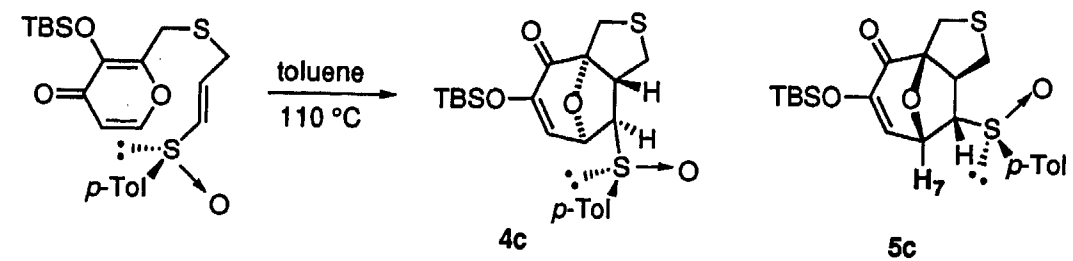


Diastereomeric ratio for **4b**, **5b**.[1]H NMR spectrum of the crude reaction mixture





Diastereomeric ratio for **4c**, **5c**.[1]H NMR spectrum of the crude reaction mixture



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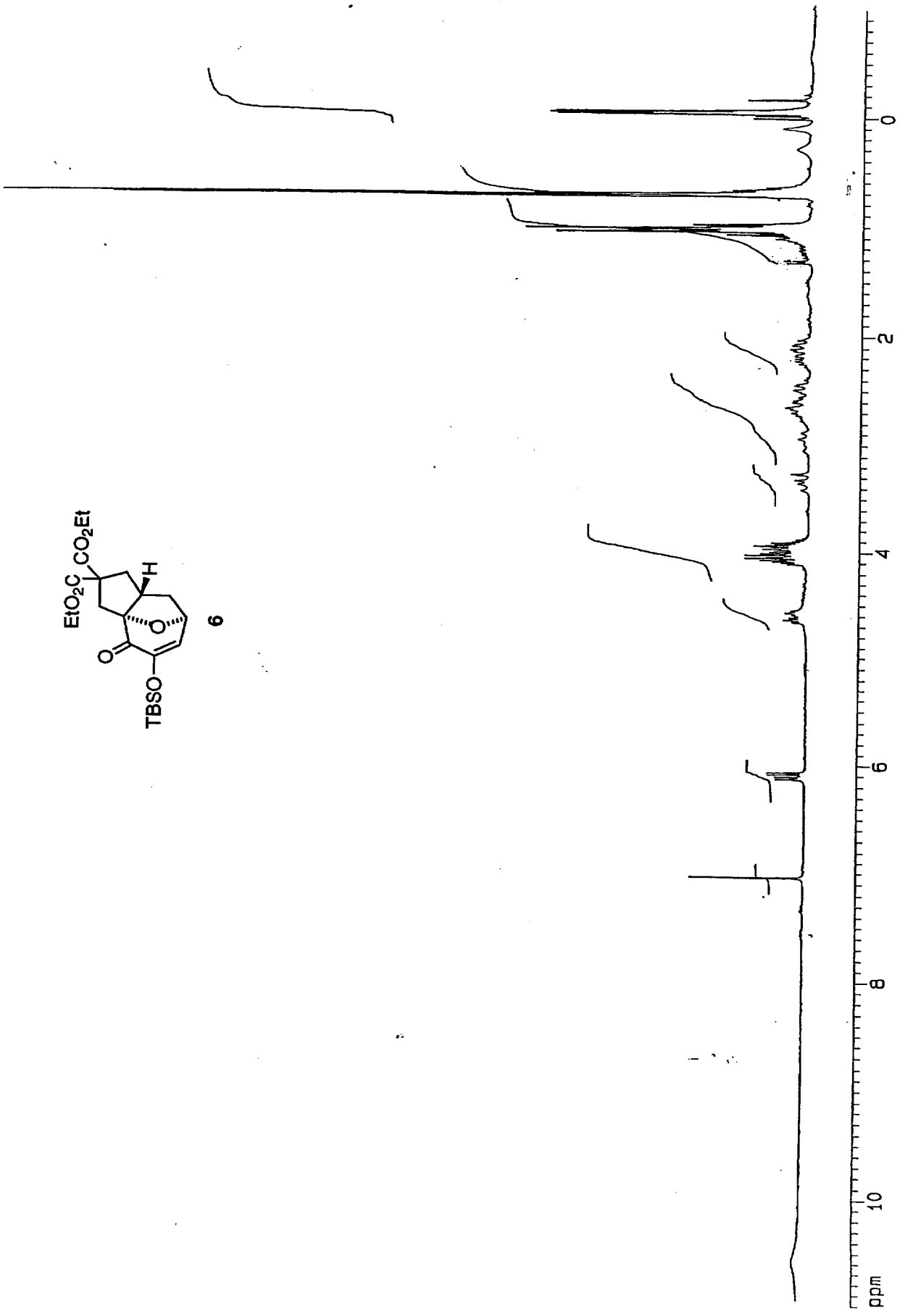

^{1}H NMR of racemic **6** in presence of 0.3 equiv. of Eu(hfc)$_3$

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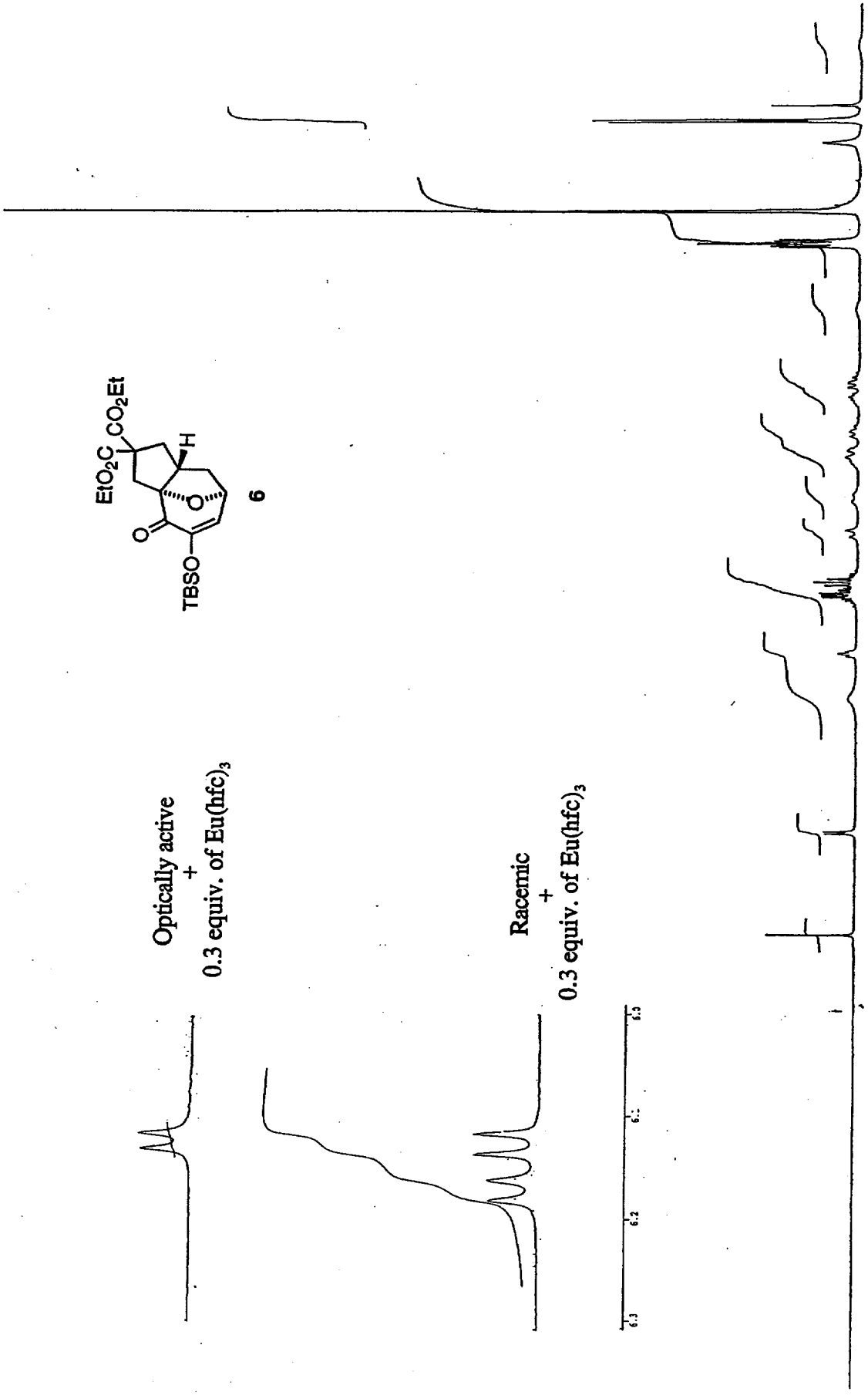
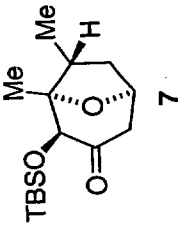
Enantiomeric excess of **6**



^{1}H NMR of racemic **7** in presence of 0.35 equiv. of Eu(hfc)$_3$



7

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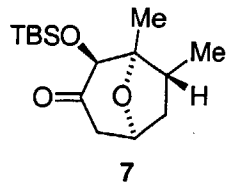
Enantiomeric excess of **7**



7

Optically active
+
0.35 equiv. of $Eu(hfc)_3$

Racemic
+
0.35 equiv. of $Eu(hfc)_3$