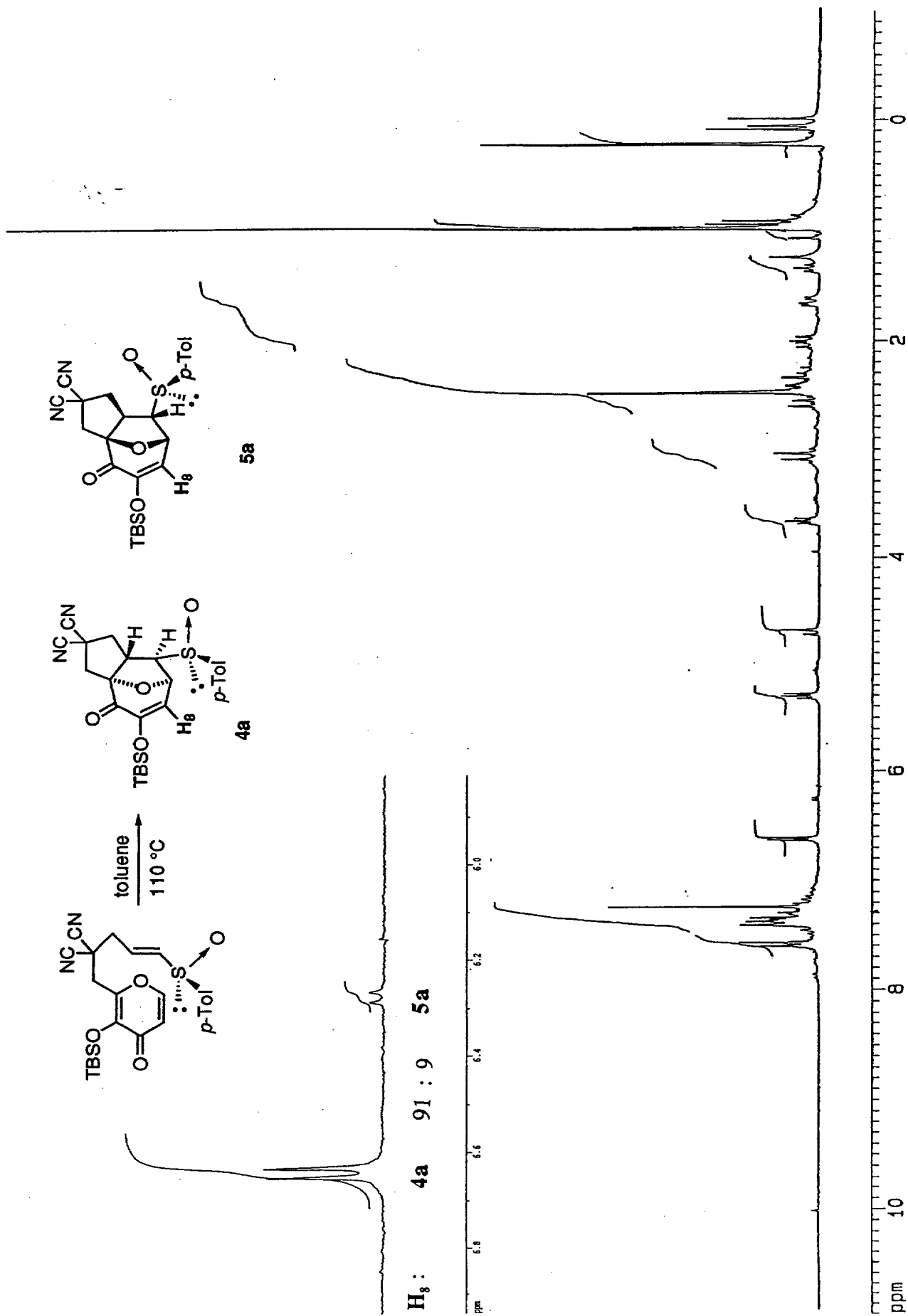


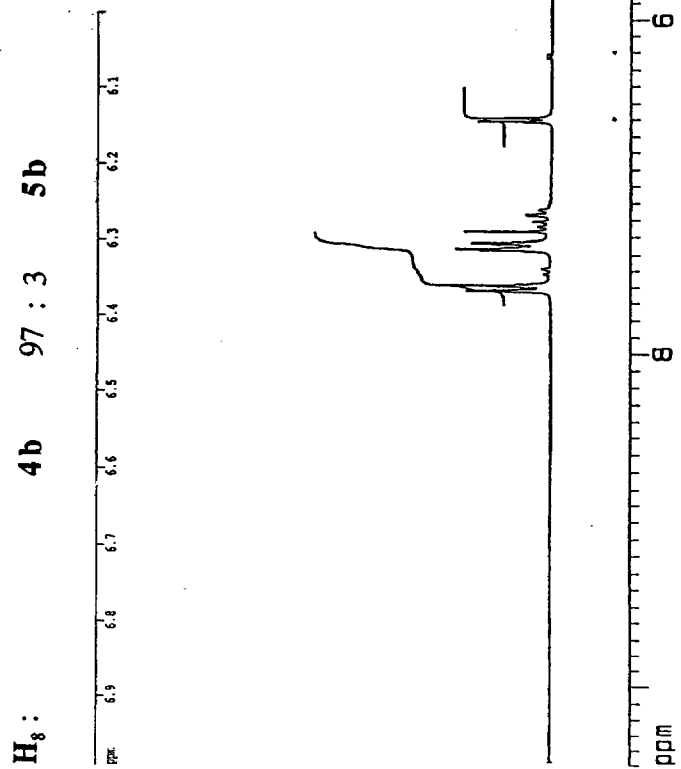
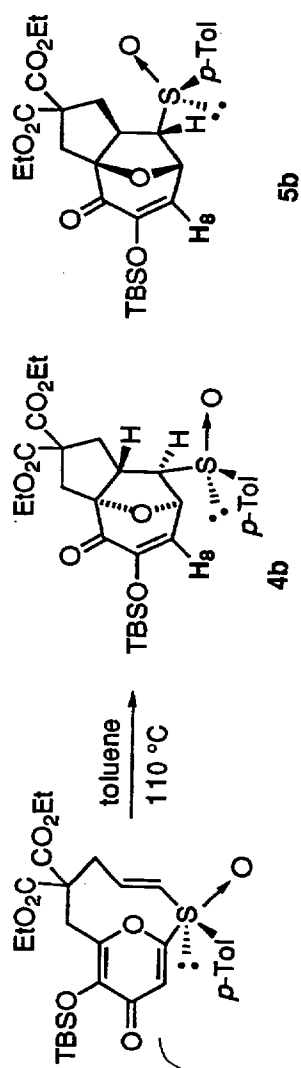
005724u

Diastereomeric ratio for 4a, 5a. <sup>1</sup>H NMR spectrum of the crude reaction mixture



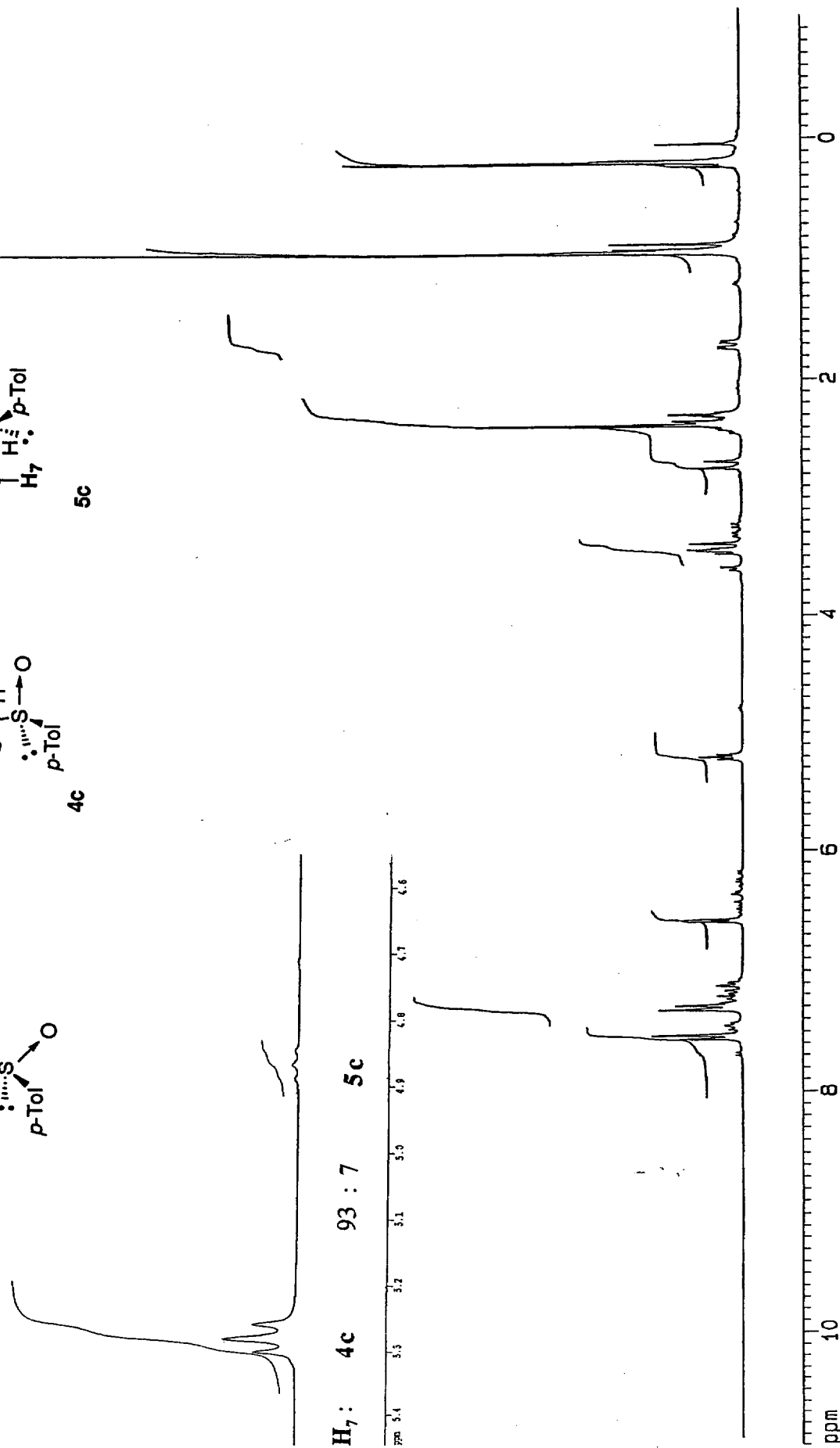
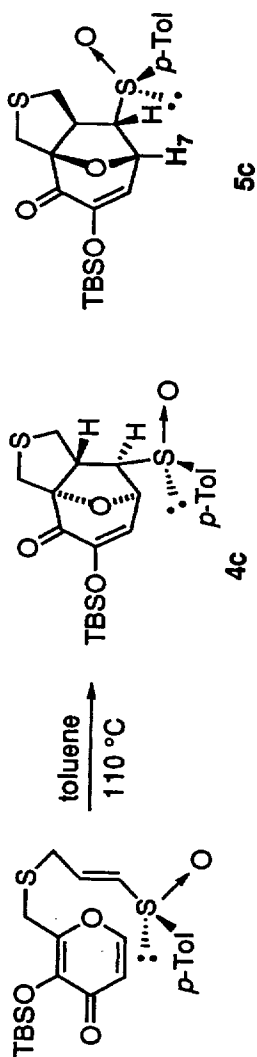
62-005724u

Diastereomeric ratio for **4b**, **5b**. <sup>1</sup>H NMR spectrum of the crude reaction mixture



8005724a

Diastereomeric ratio for **4c**, **5c**. <sup>1</sup>H NMR spectrum of the crude reaction mixture



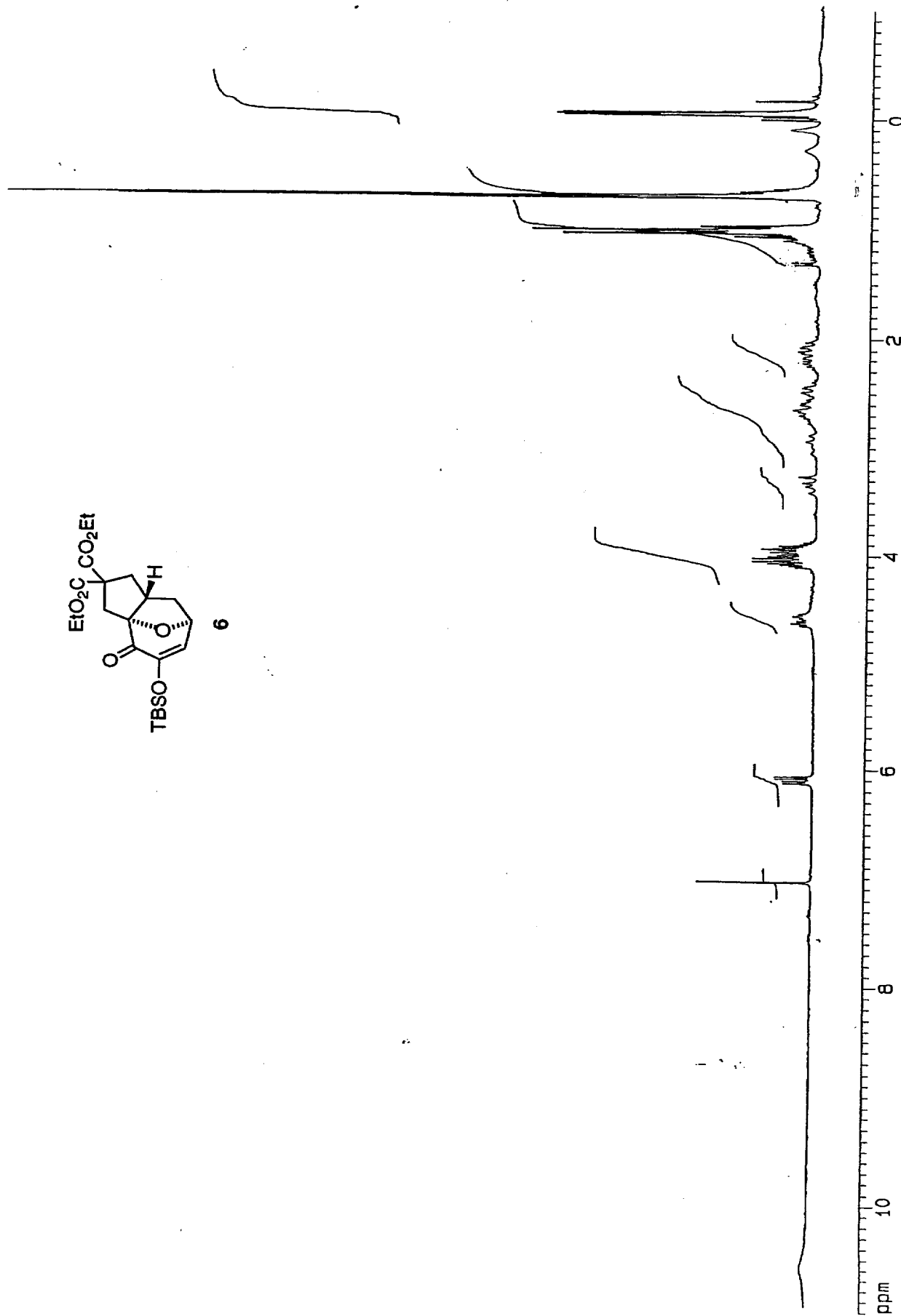
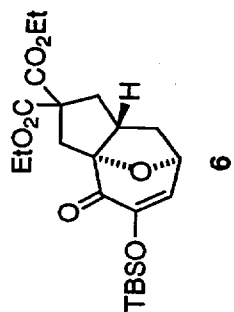
**H<sub>7</sub>: 4c**    **93 : 7**    **5c**

ppm 5.4 5.3 5.2 5.1 5.0 4.9 4.8 4.7 4.6

ppm 10 8 6 4 2 0

OL 005724

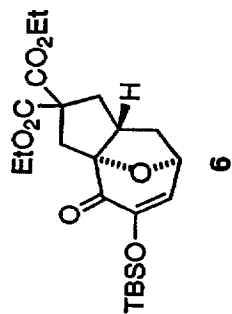
<sup>1</sup>H NMR of racemic **6** in presence of 0.3 equiv. of Eu(hfc)<sub>3</sub>



ol005724

19  
6

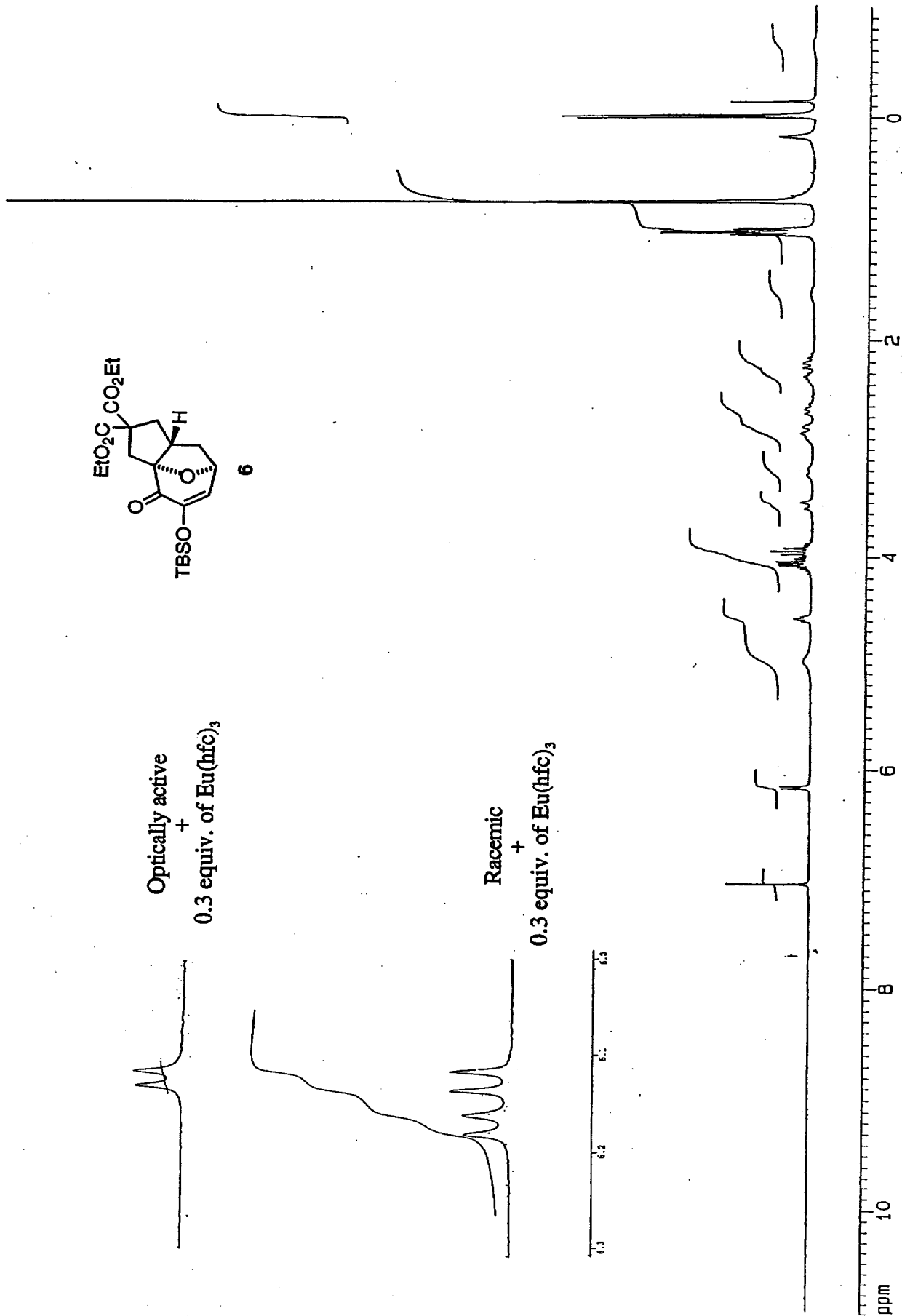
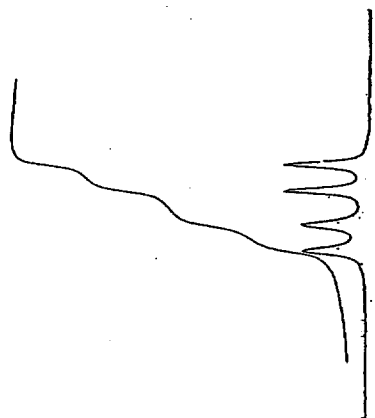
Enantiomeric excess of **6**



Optically active  
+  
0.3 equiv. of Eu(hfc)<sub>3</sub>

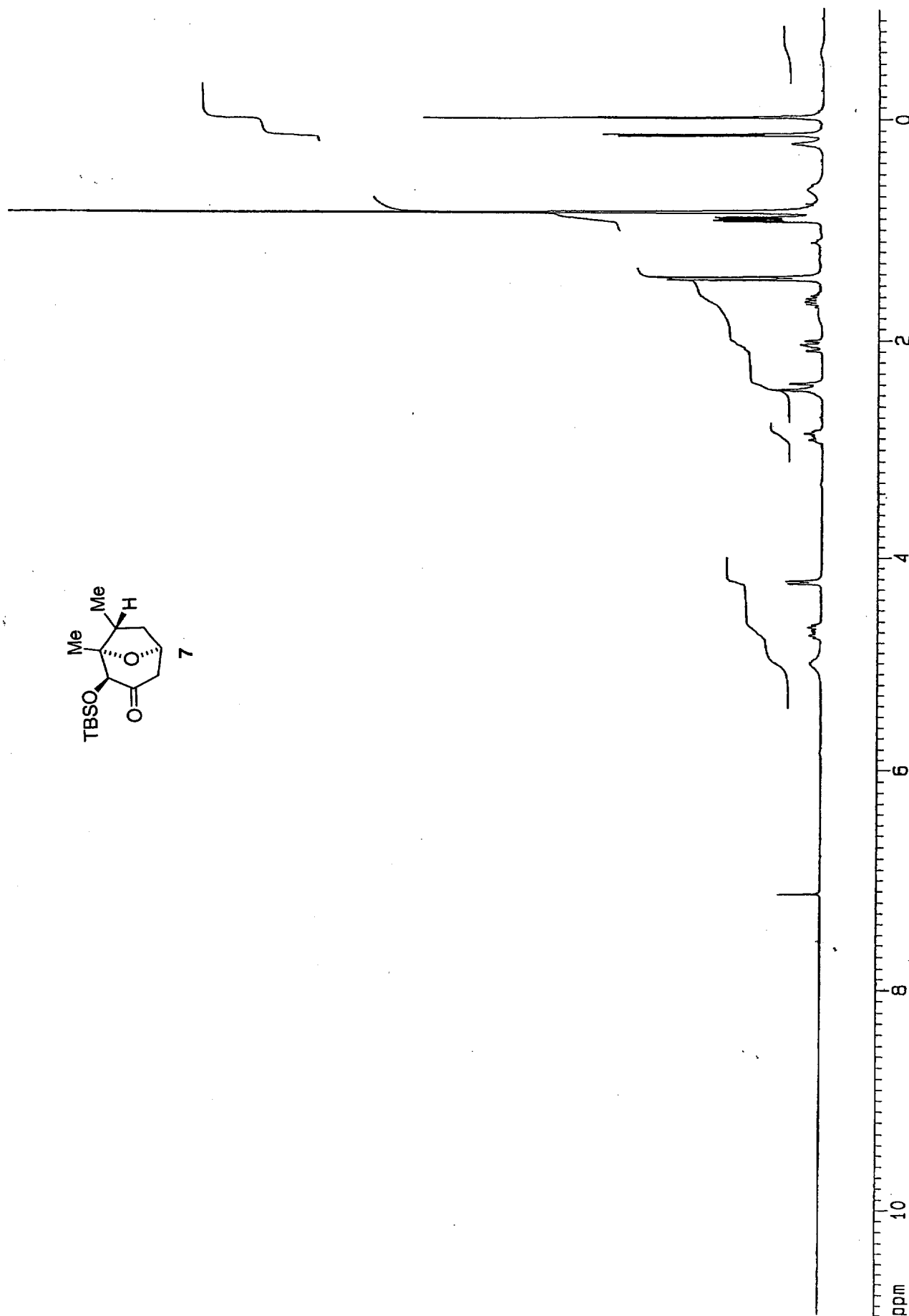
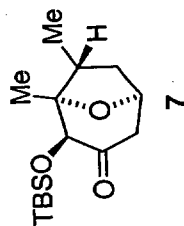


Racemic  
+  
0.3 equiv. of Eu(hfc)<sub>3</sub>



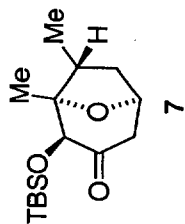
OL 005724u

<sup>1</sup>H NMR of racemic **7** in presence of 0.35 equiv. of Eu(hfc)<sub>3</sub>



06005724

Enantiomeric excess of 7



Optically active  
+  
0.35 equiv. of Eu(hfc)<sub>3</sub>

Racemic  
+  
0.35 equiv. of Eu(hfc)<sub>3</sub>

