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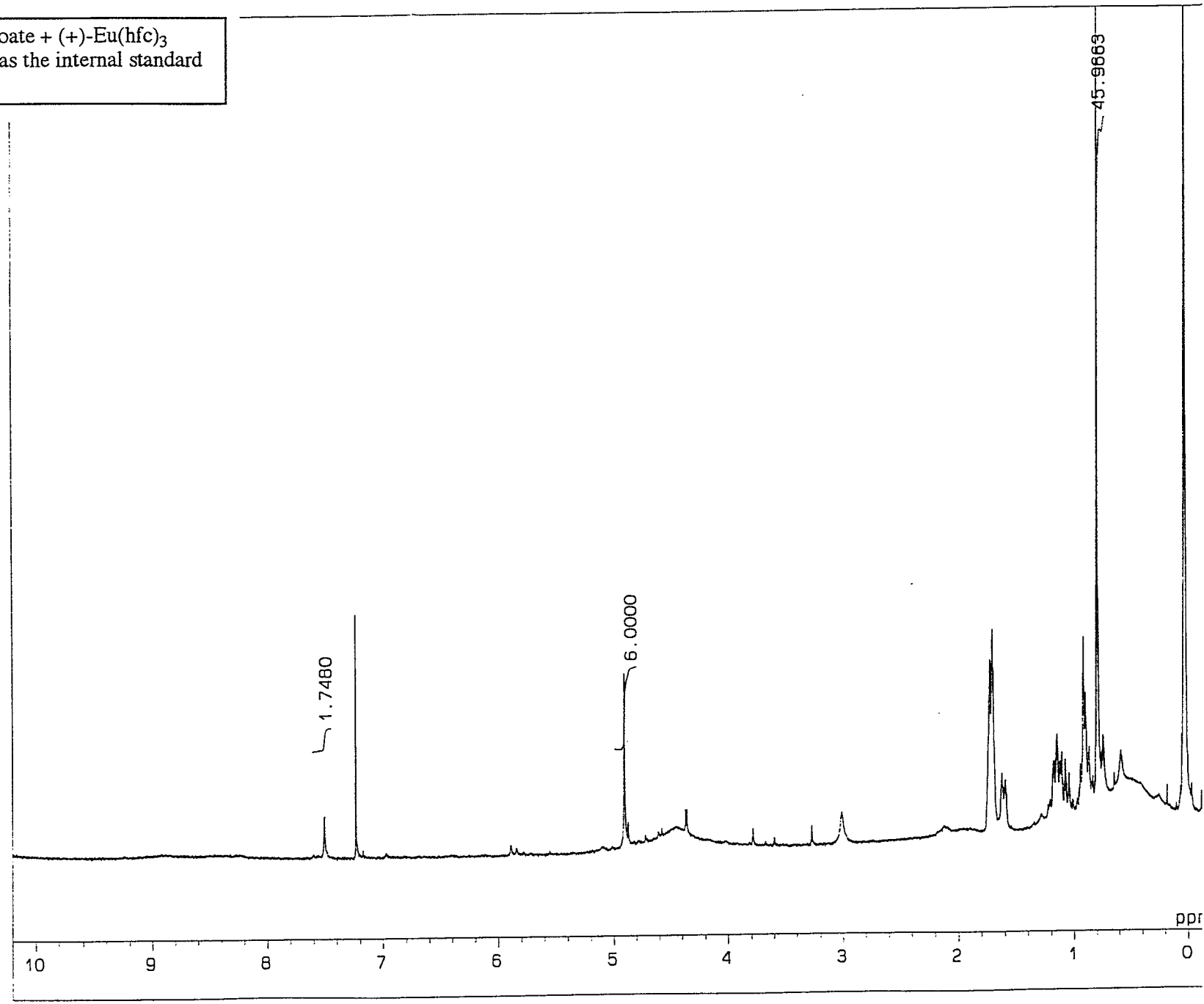
dimethyl 2,3-pentadienedioate + (+)-Eu(hfc)$_3$
t-butylcyclohexane added as the internal standard
After 6 days



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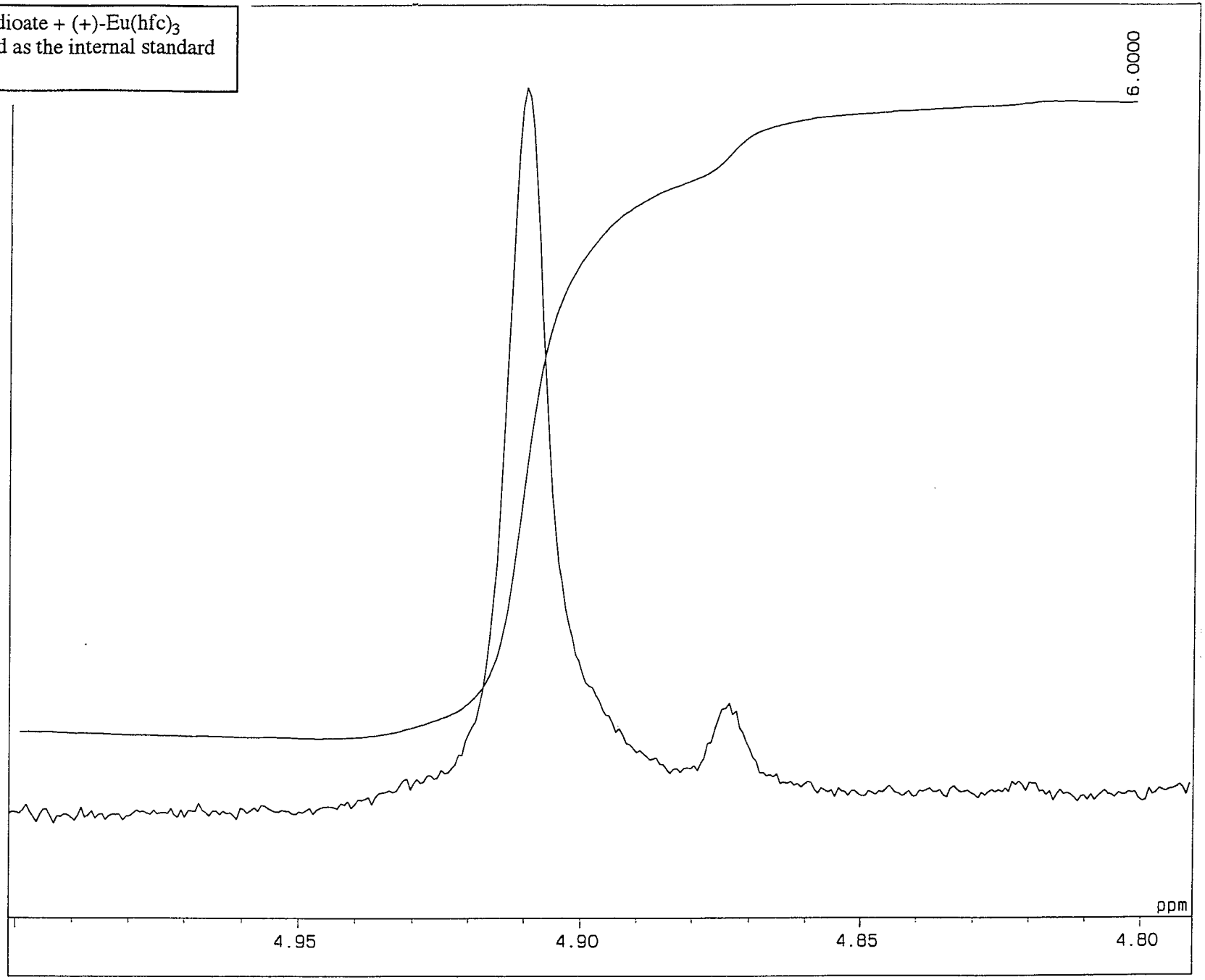
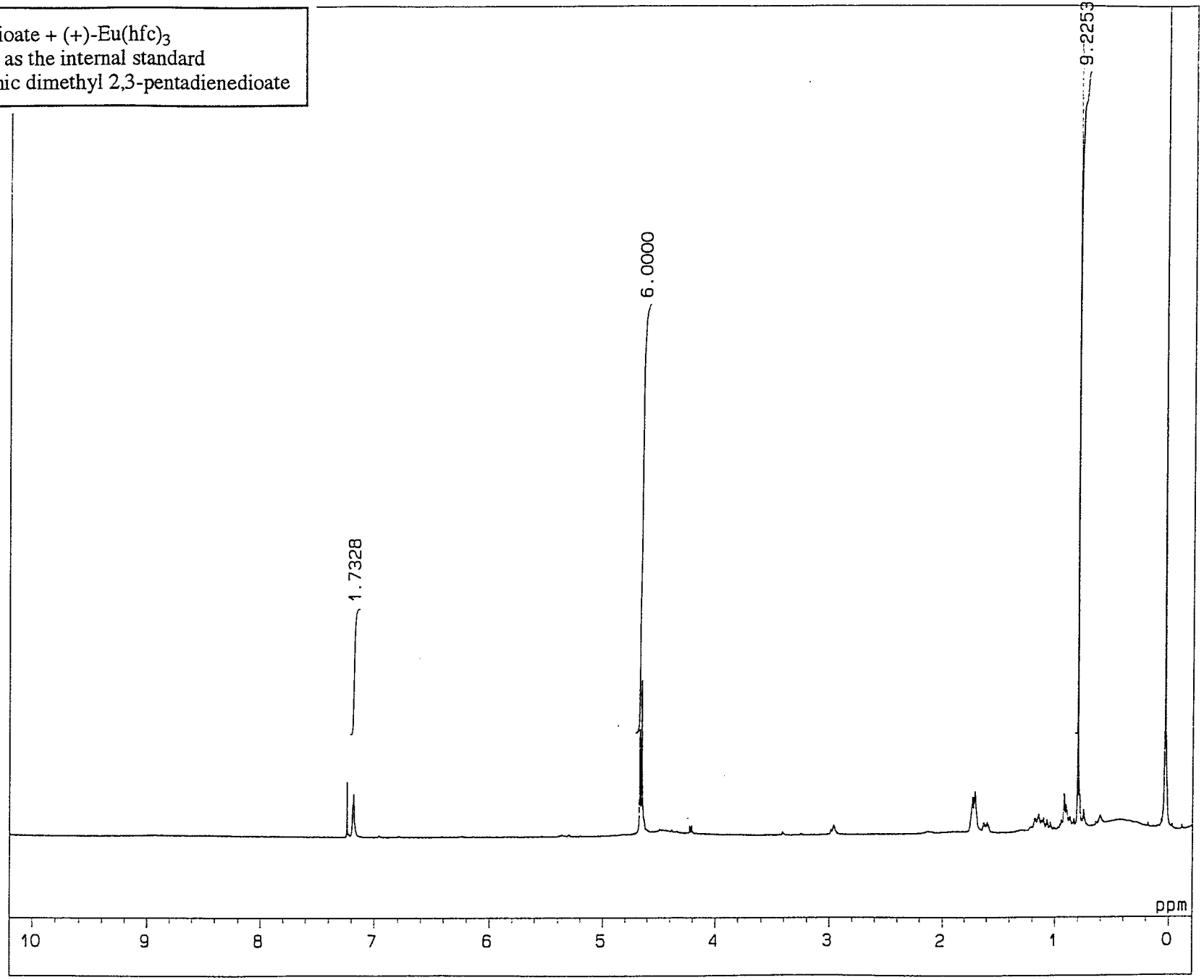
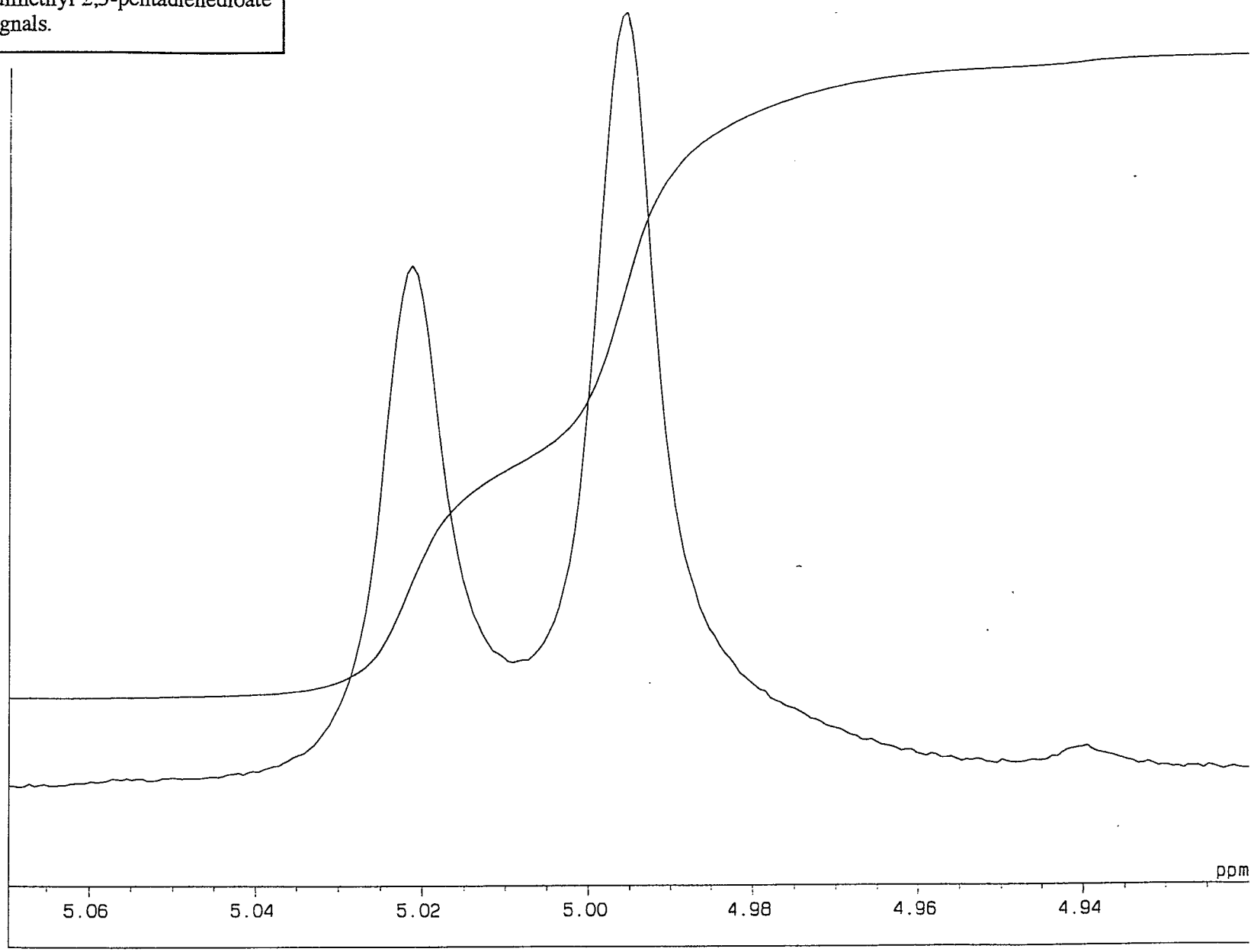


dimethyl 2,3-pentadienedioate + (+)-Eu(hfc)$_3$
t-butylcyclohexane added as the internal standard
After 6 days/ added racemic dimethyl 2,3-pentadienedioate



dimethyl 2,3-pentadienedioate + (+)-Eu(hfc)$_3$
t-butylcyclohexane added as the internal standard
After 6 days/ added racemic dimethyl 2,3-pentadienedioate
and (+)-Eu(hfc)$_3$ to resolve signals.



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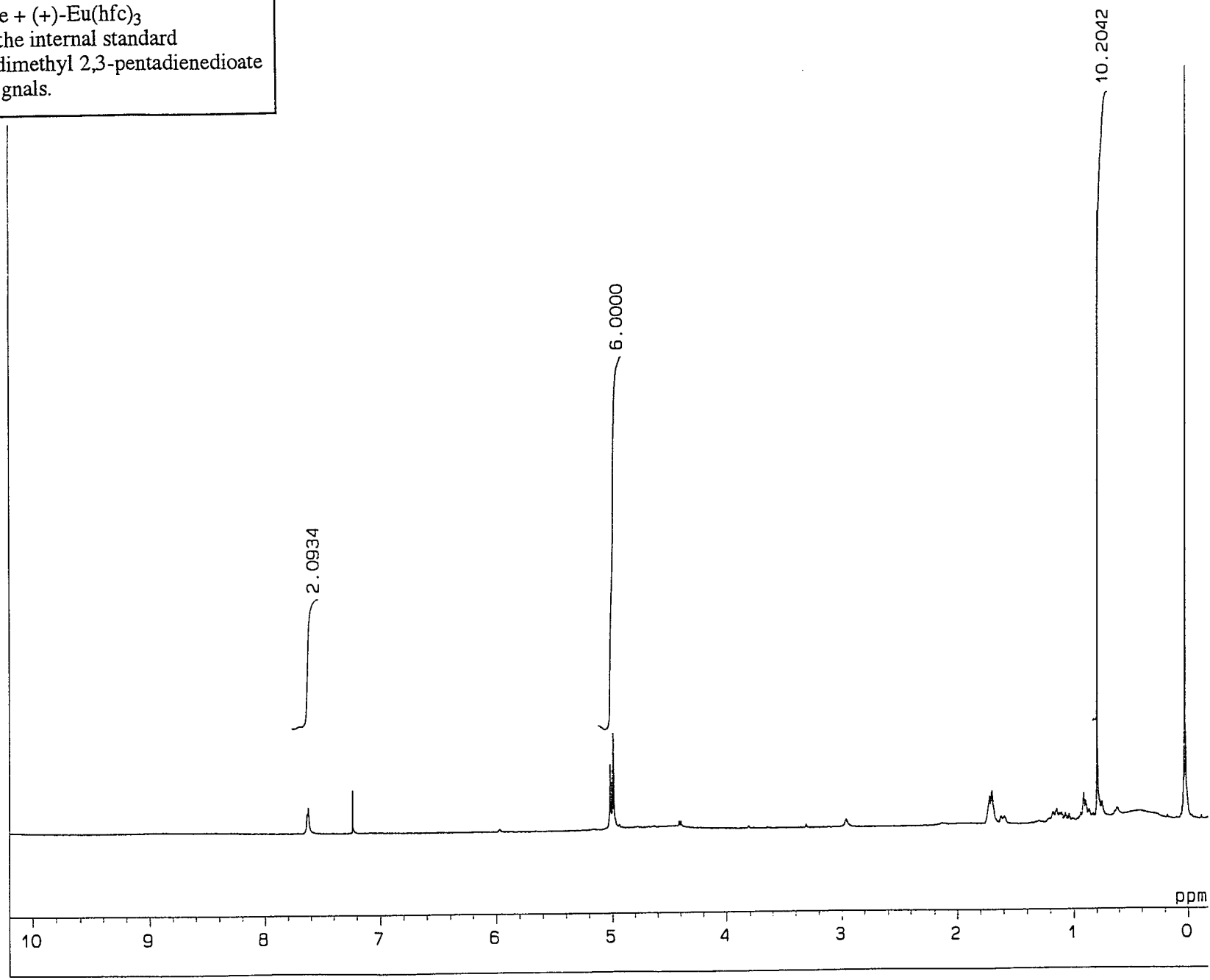

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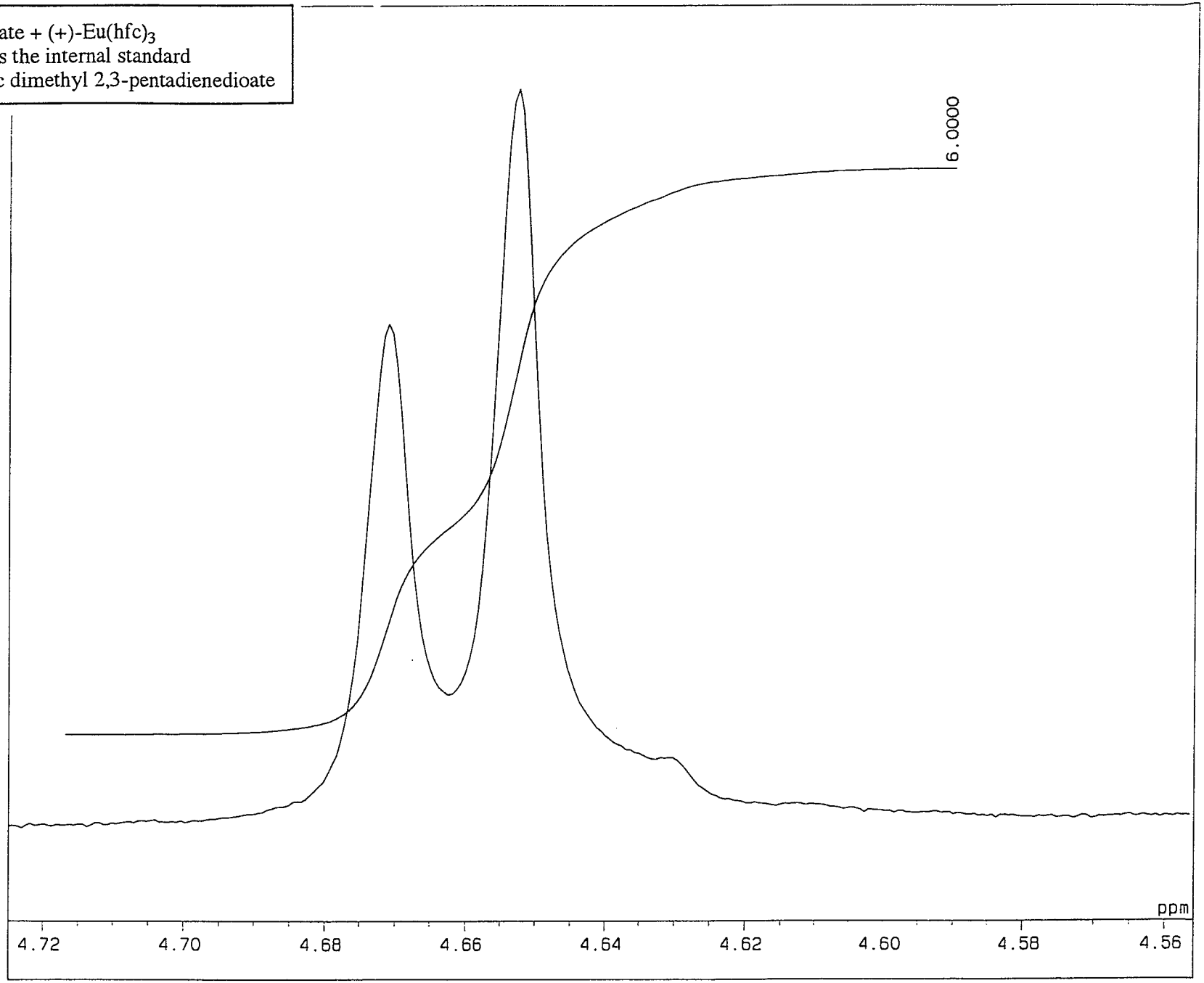
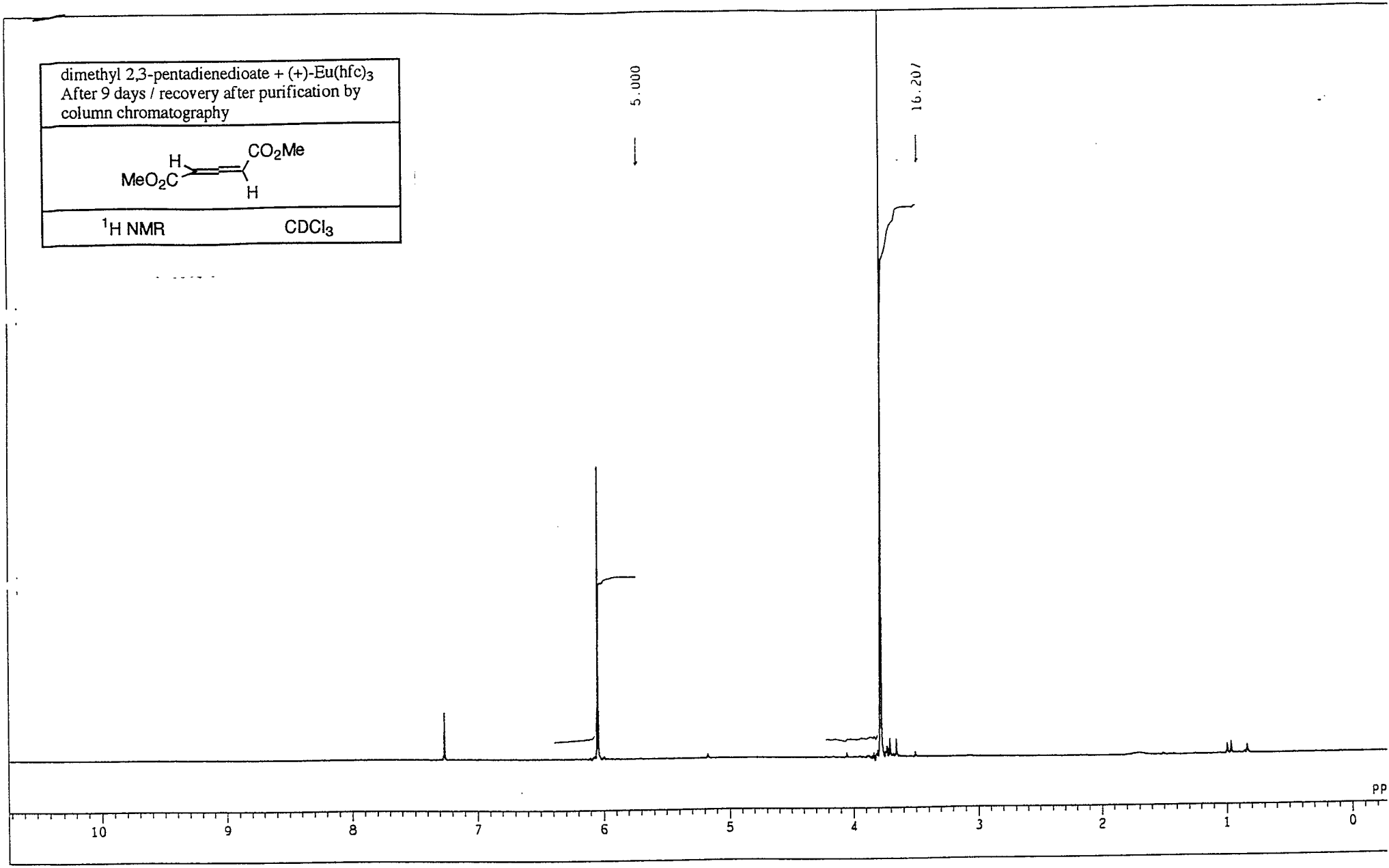
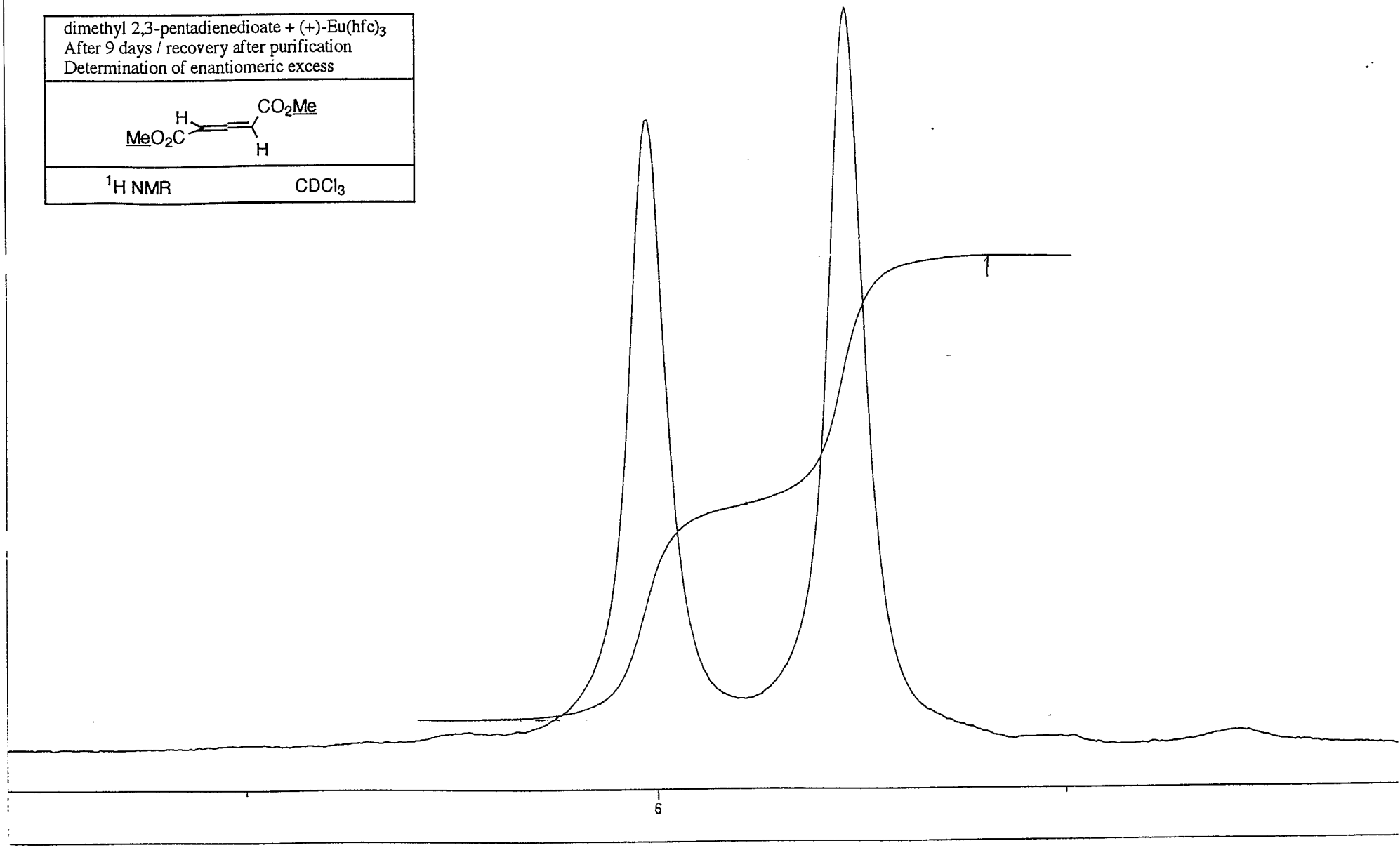


dimethyl 2,3-pentadienedioate + (+)-Eu(hfc)$_3$
After 9 days / recovery after purification by column chromatography

^{1}H NMR CDCl$_3$



dimethyl 2,3-pentadienedioate + (+)-Eu(hfc)$_3$
After 9 days / recovery after purification
Determination of enantiomeric excess

^{1}H NMR CDCl$_3$