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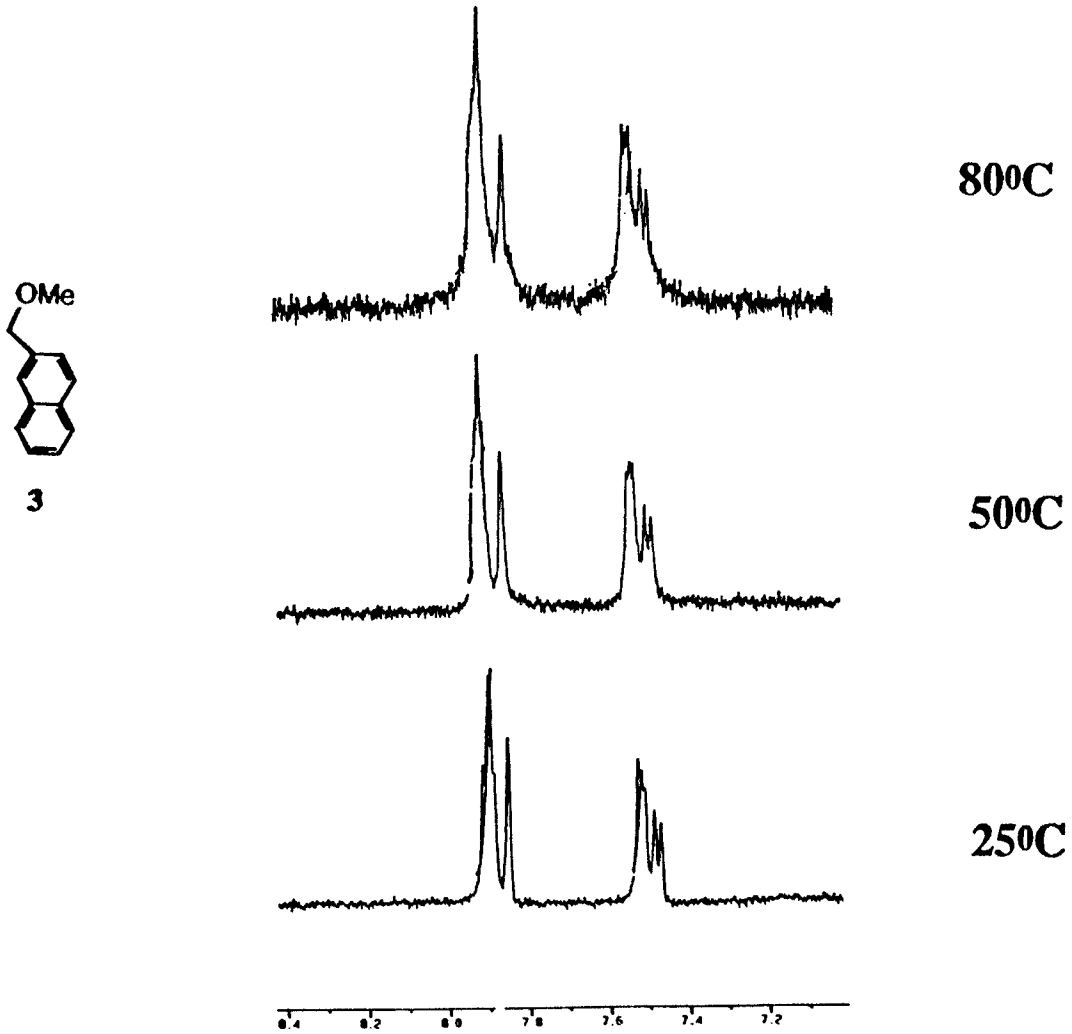
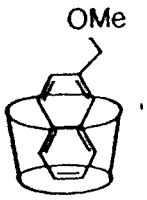
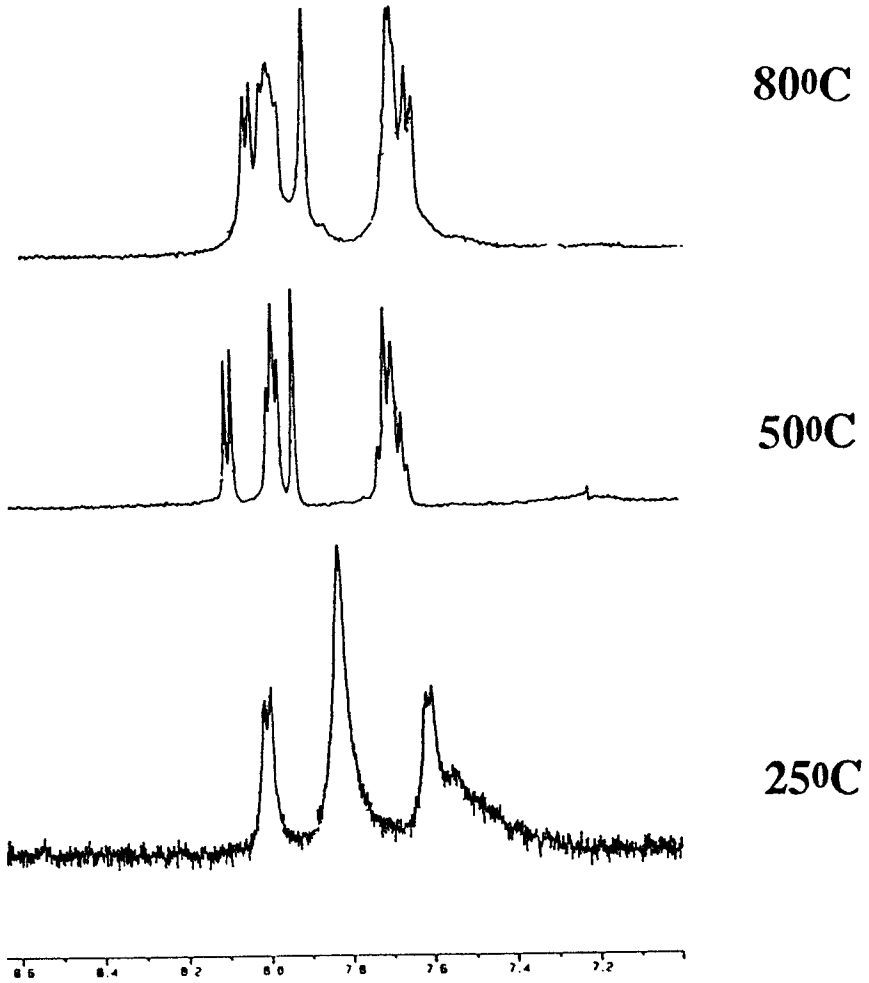
Aromatic ^{1}H NMR (400 MHz, D_2O) region of compound 3 at 25, 50 and 80 °C.



Aromatic ^1H NMR (400 MHz, D_2O) region of inclusion compound β-CD / 3 at 25, 50 and 80 °C.



β-CD / 3



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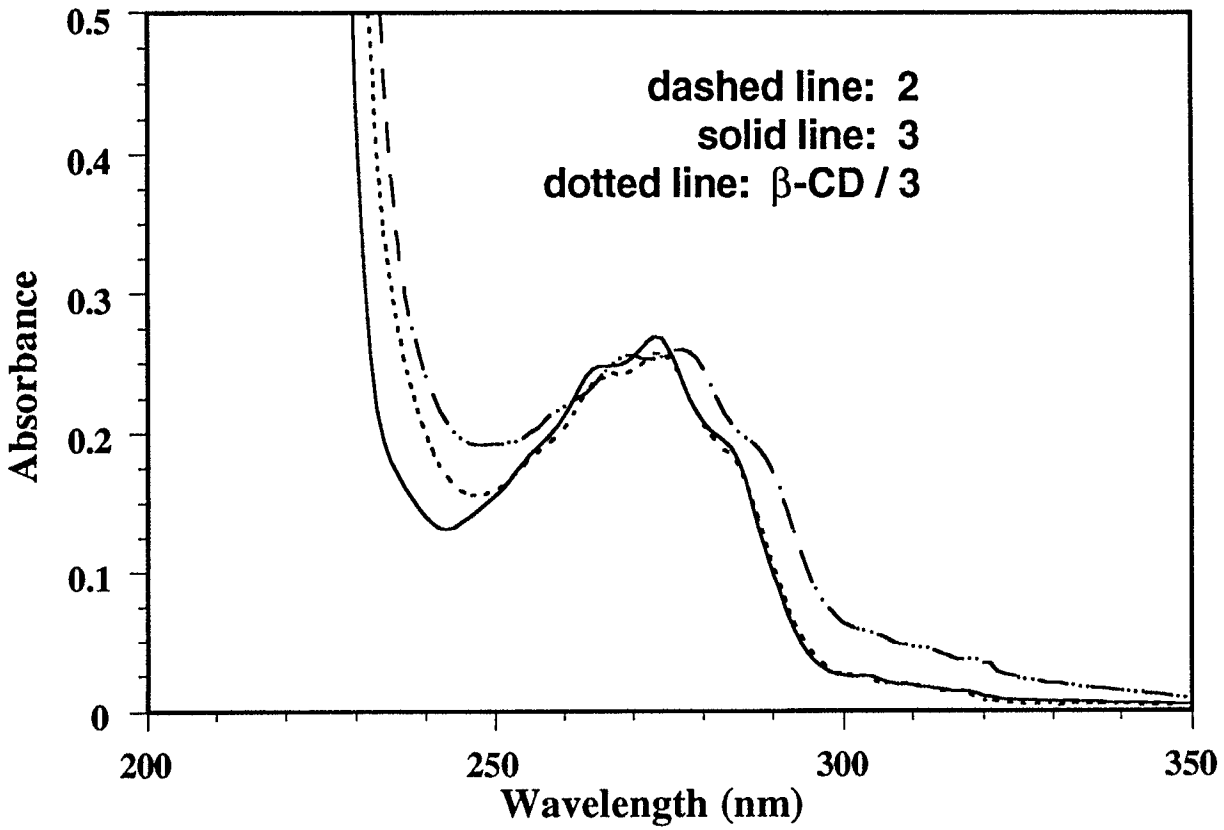
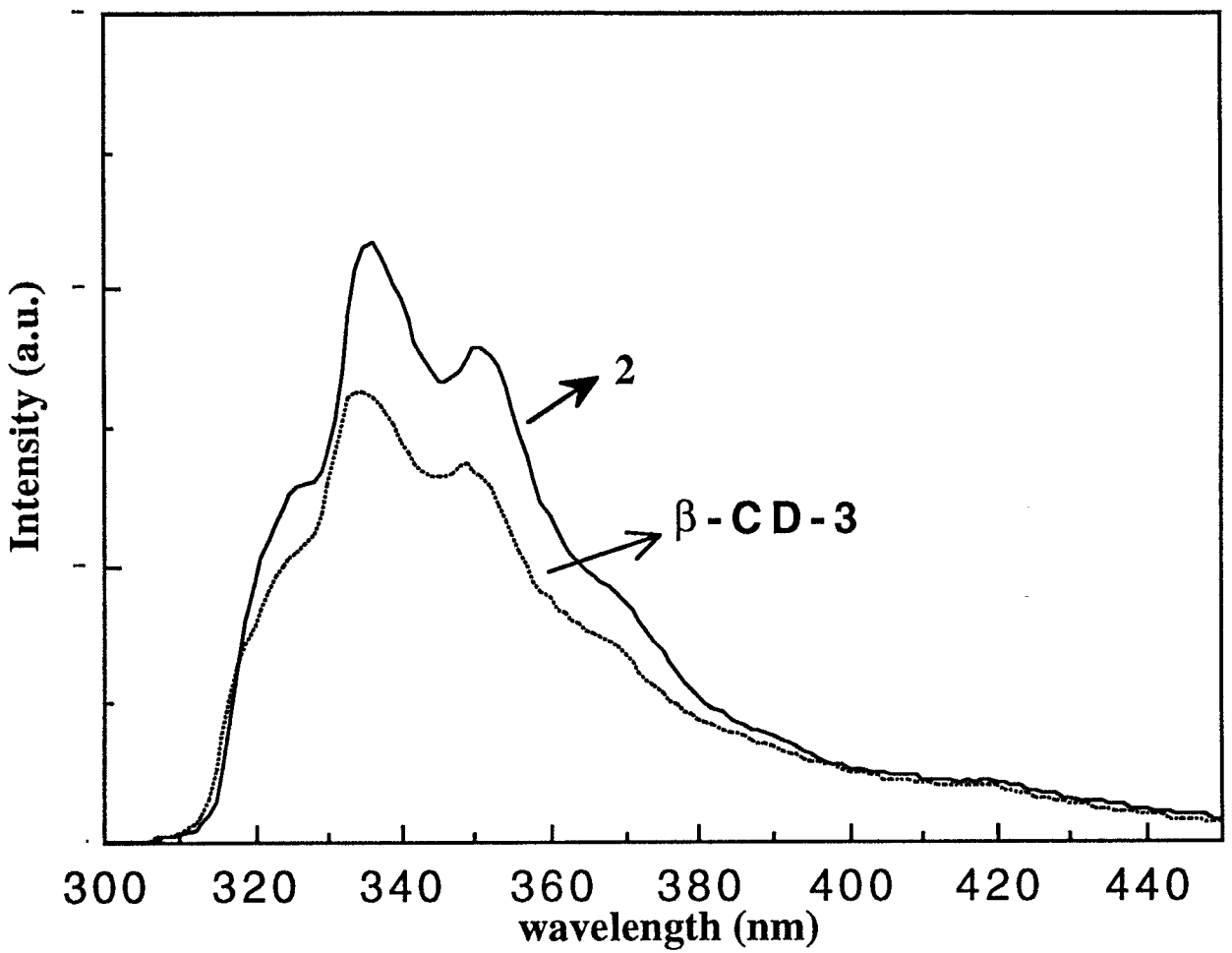
UV-absorption spectra of 2, 3 and β-CD / 3 in H_2O.



Fluorescence spectra of 2 and β-CD/3 in H_2O
(excitation at 275 nm, optically matched solutions with Abs = 0.1)



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Fluorescence Properties of compound 2, 3 and β-CD /3 in H2O

Compound	Conditions	τ (nsec)[a]	$k_q\tau$ [b]	k_q (10^9)[c]	
2	Air sat'd	20.6	39.9	2.67	
2	Ar sat'd	21.0			
3/β-CD	Air sat'd	26.0	62.1	2.26	
3/β-CD	Ar sat'd	27.4			
3	Air sat'd	24.3	73.6	1.90	
3	Ar sat'd	27.5			

[a]fluorescence lifetimes; [b]From slope of Stern Volmer quenching plots ($M^{-1}s^{-1}$)
[c]calculated bimolecular quenching rate constants. All measurements were carried out with optically dilute samples