

SUPPLEMENTARY INFORMATION FOR THE ARTICLE:

Effect of Peracetylation on the Conformation of γ -Cyclodextrin

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(a) Representative Thermogravimetric traces, Differential Scanning Calorimetric traces and XRPD patterns for isostructural solvates of peracetylated γ -Cyclodextrin:

1 TA γ CD·2(ethanol)·H₂O

2 TA γ CD·1.5(2-propanol)·H₂O

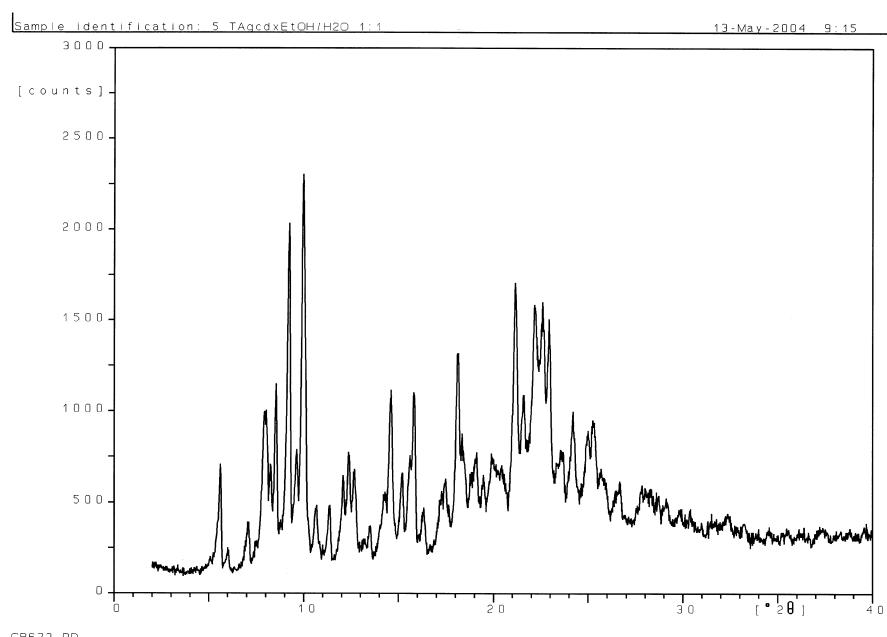
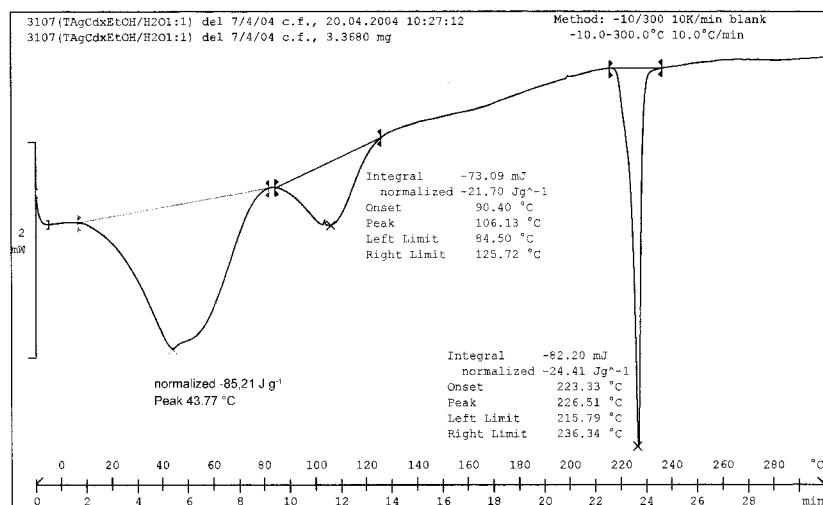
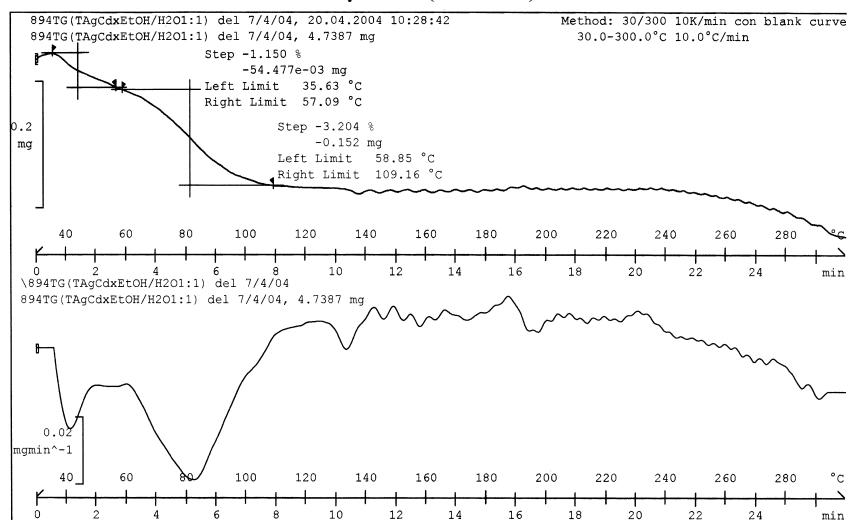
3 TA γ CD·1.5(acetone)

4 TA γ CD·1.5(*n*-propanol)

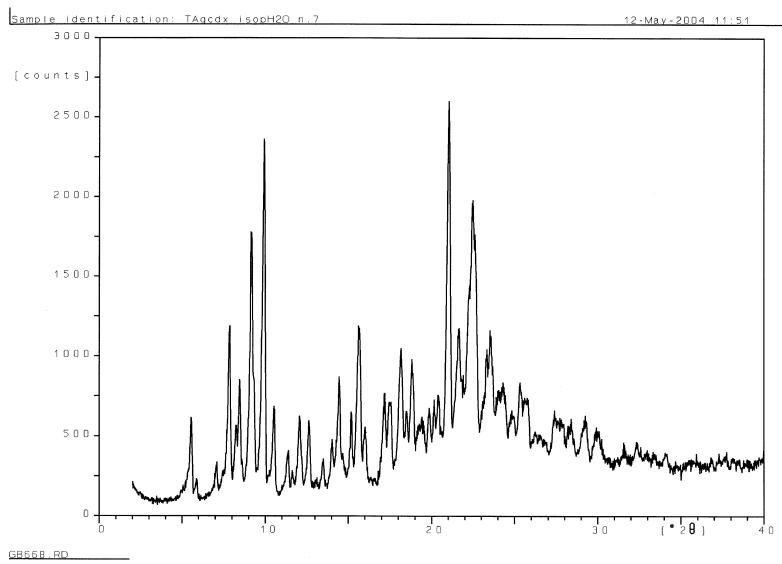
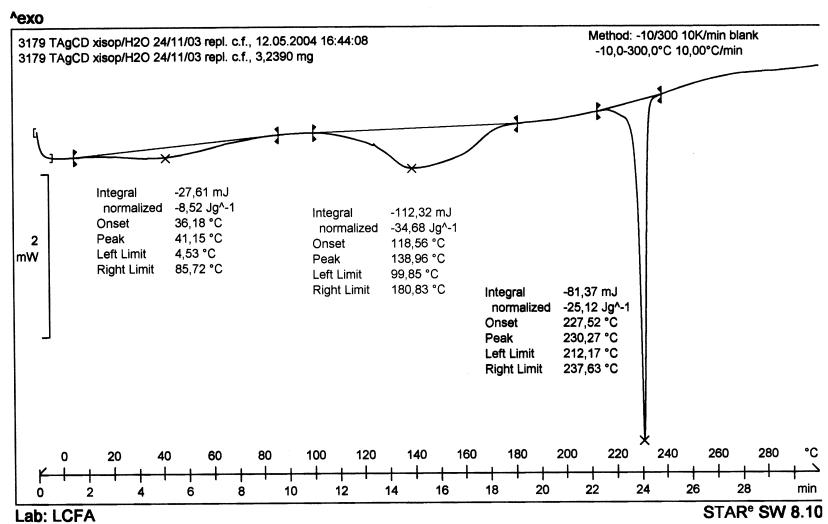
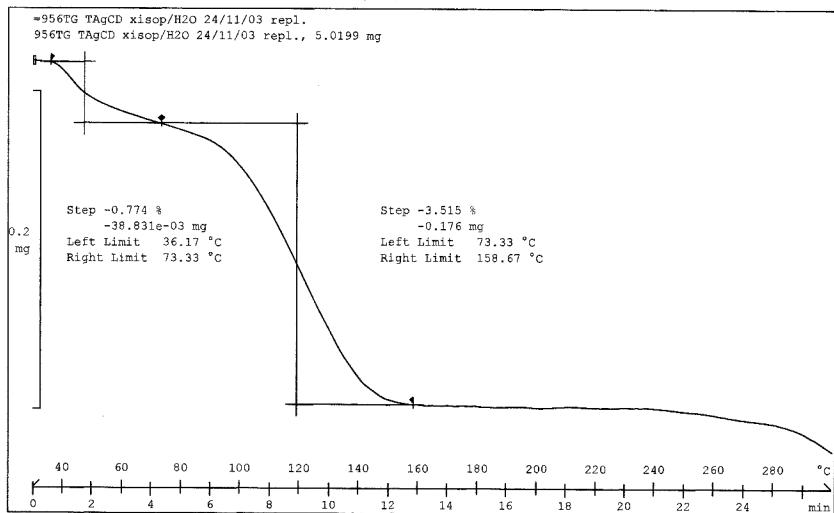
5 TA γ CD·3(ethanol)

(b) Tabulated summary of thermal data

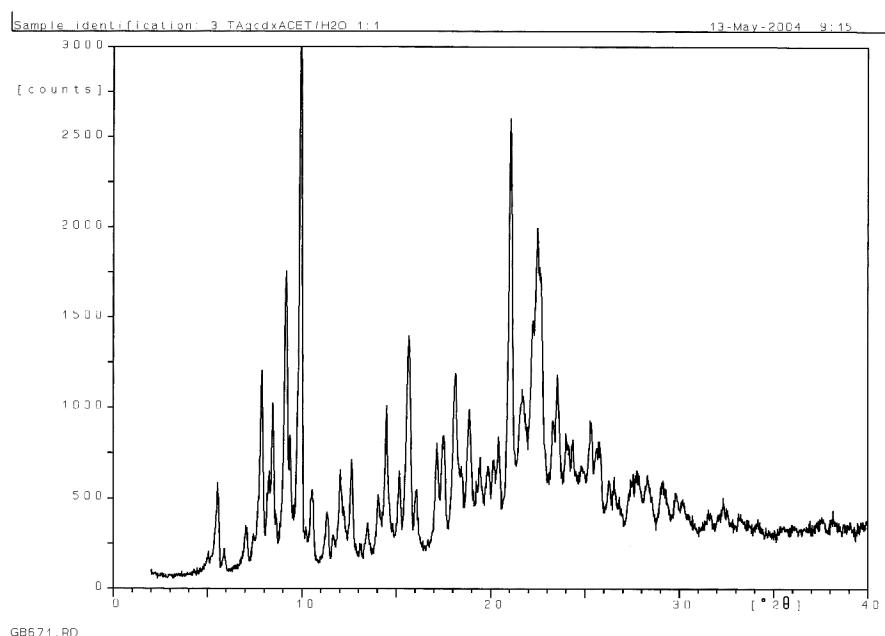
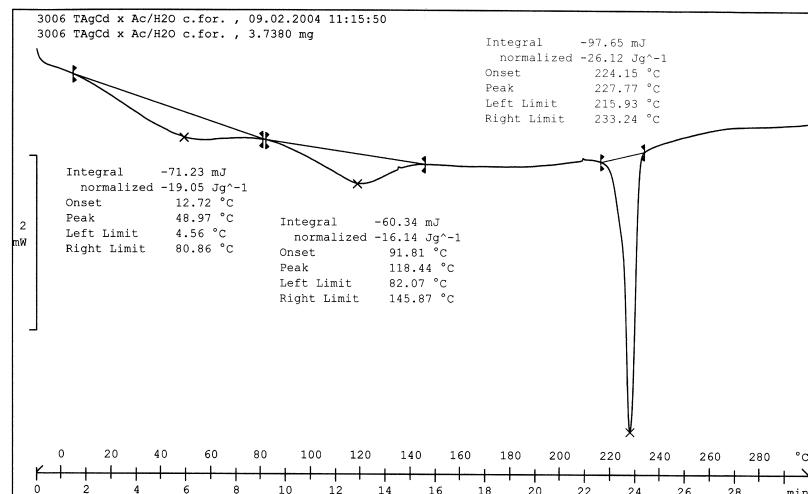
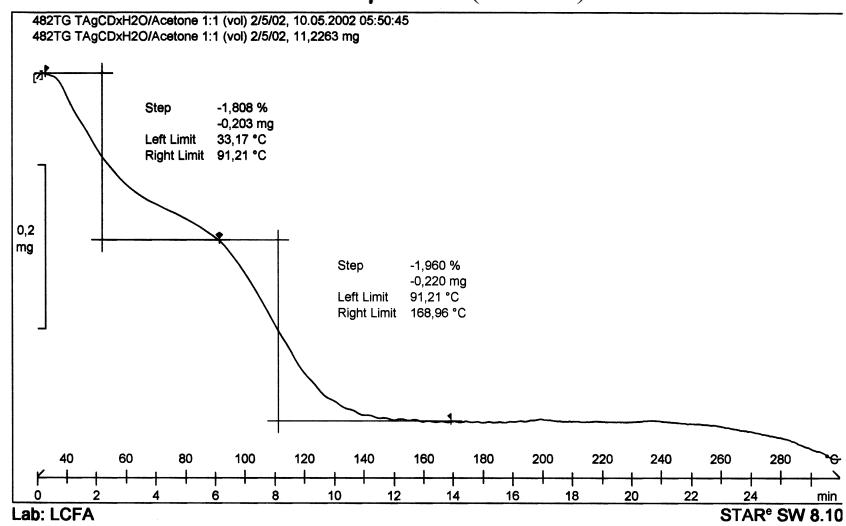
1 TA γ CD·2(ethanol)·H₂O



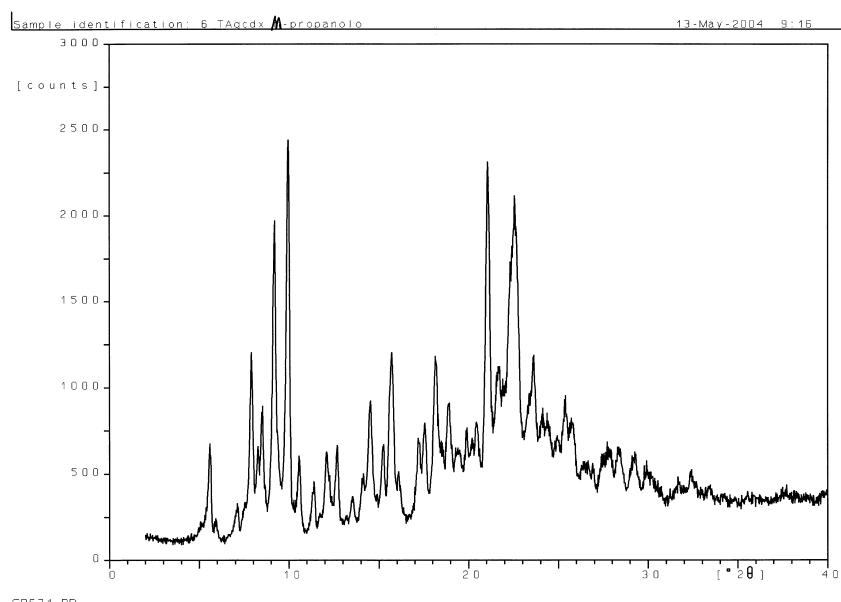
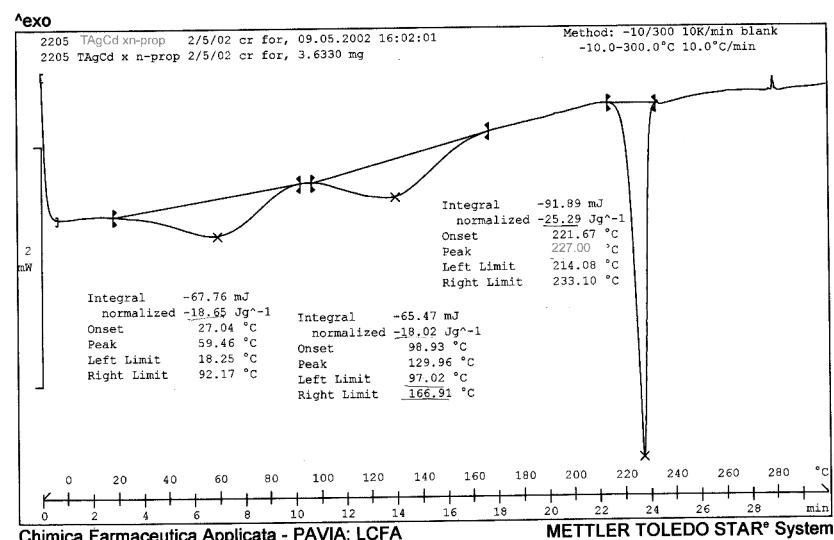
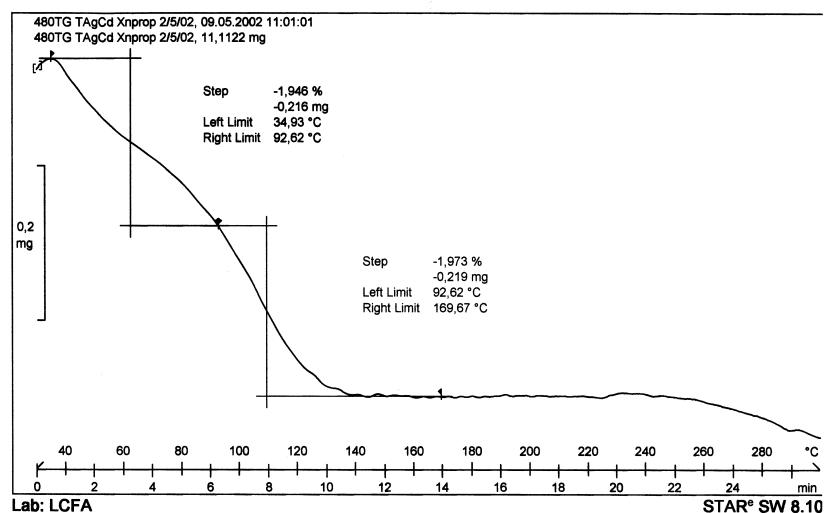
2 TA γ CD·1.5(2-propanol)·H₂O



3 TAgCD_x·1.5(acetone)



4 TA γ CD·1.5(*n*-propanol)



5 TAgCD·3(ethanol)

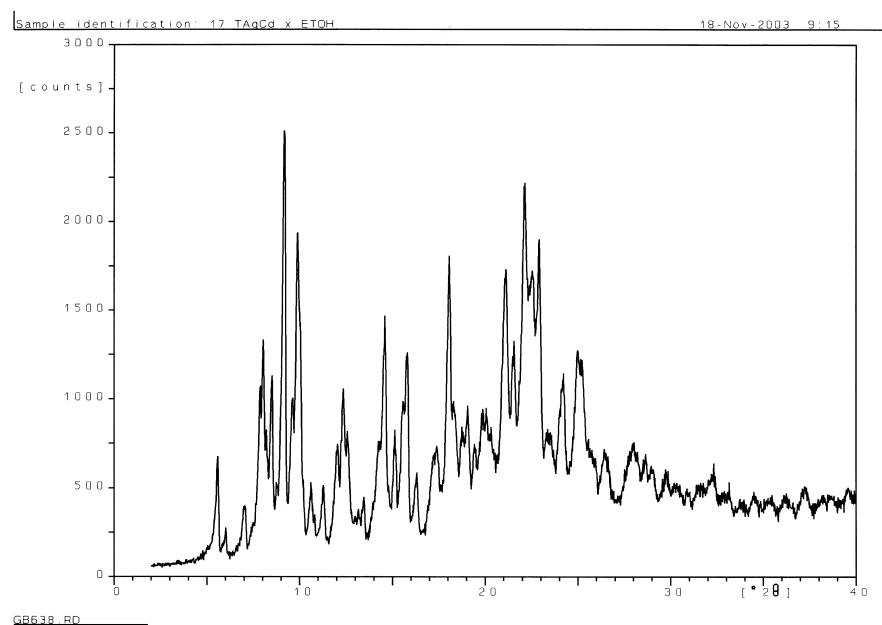
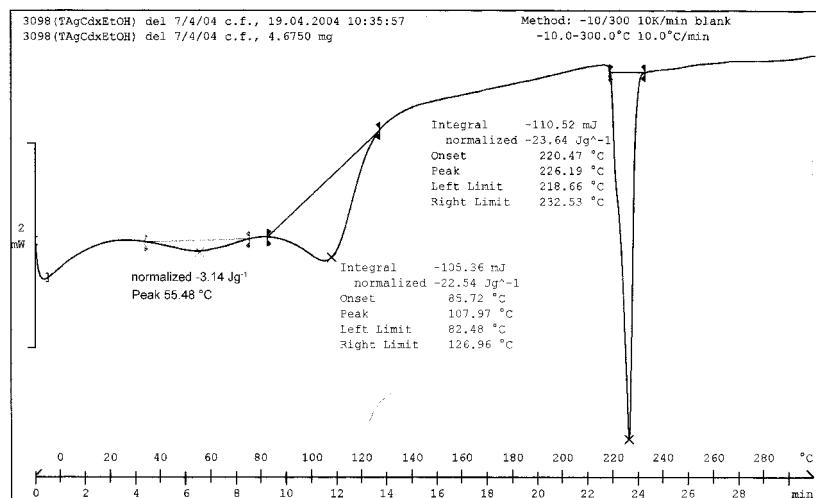
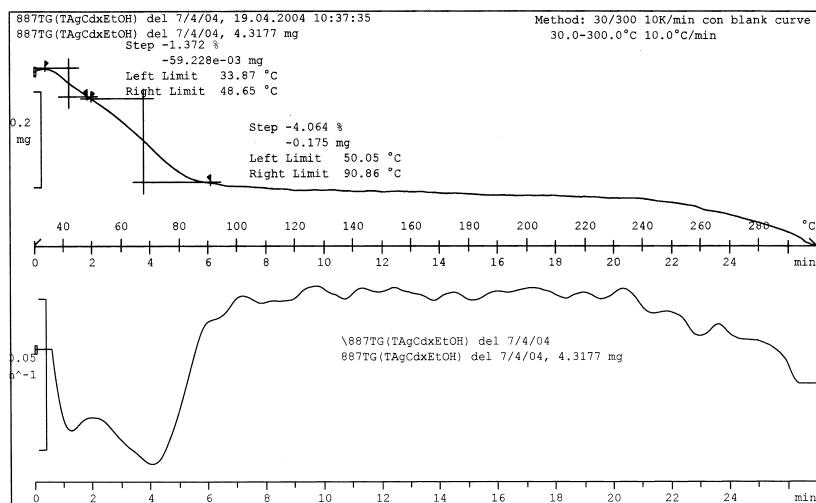


TABLE: Summary of thermal data for solvates **1-5**

Solvate	Solvent of crystallization	Step 1 mass loss^a (%)	Step 2 mass loss^a (%)	Total mass loss (%)
1	(a) Ethanol/water 1/1 (v/v) (b) EtOH/water 96.4% by wt EtOH	1.1	3.2	4.3
2	2-propanol/water 4/1 (v/v)	0.77	3.5	4.27
3	Acetone/water 1/1 (v/v)	1.8	2.0	3.8
4	<i>n</i> -propanol	1.9	1.97	3.87
5	EtOH (100%)	1.4	4.1	5.5

^aAverages of triplicate determinations