

## RESIN ACIDS AS RAW MATERIAL FOR THE PREPARATION OF CYCLODEXTRIN COMPLEXES LOADED WITH DEHYDROABIETITIC ACID AND CHROMENOL HYBRID

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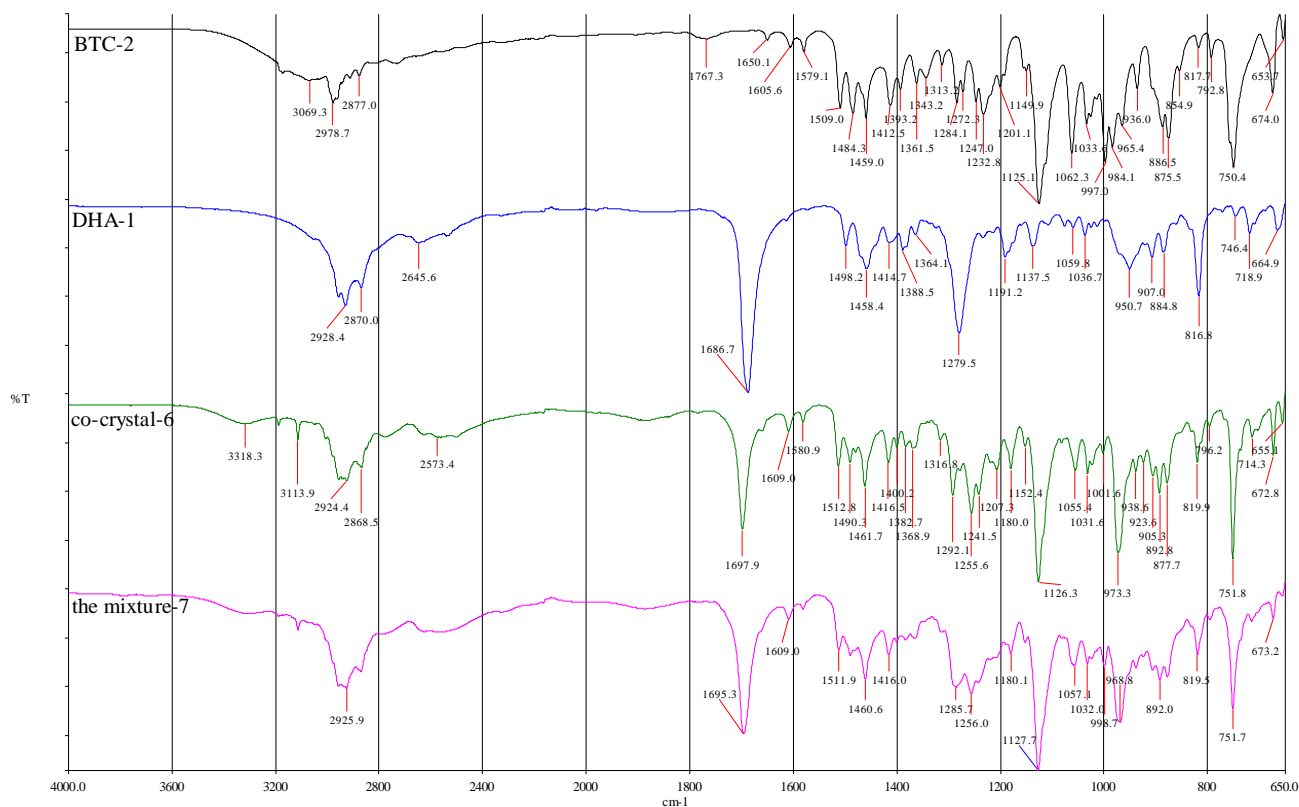


Figure S1. Overlapping of IR spectra of compounds 1, 5, 6 and system 7.

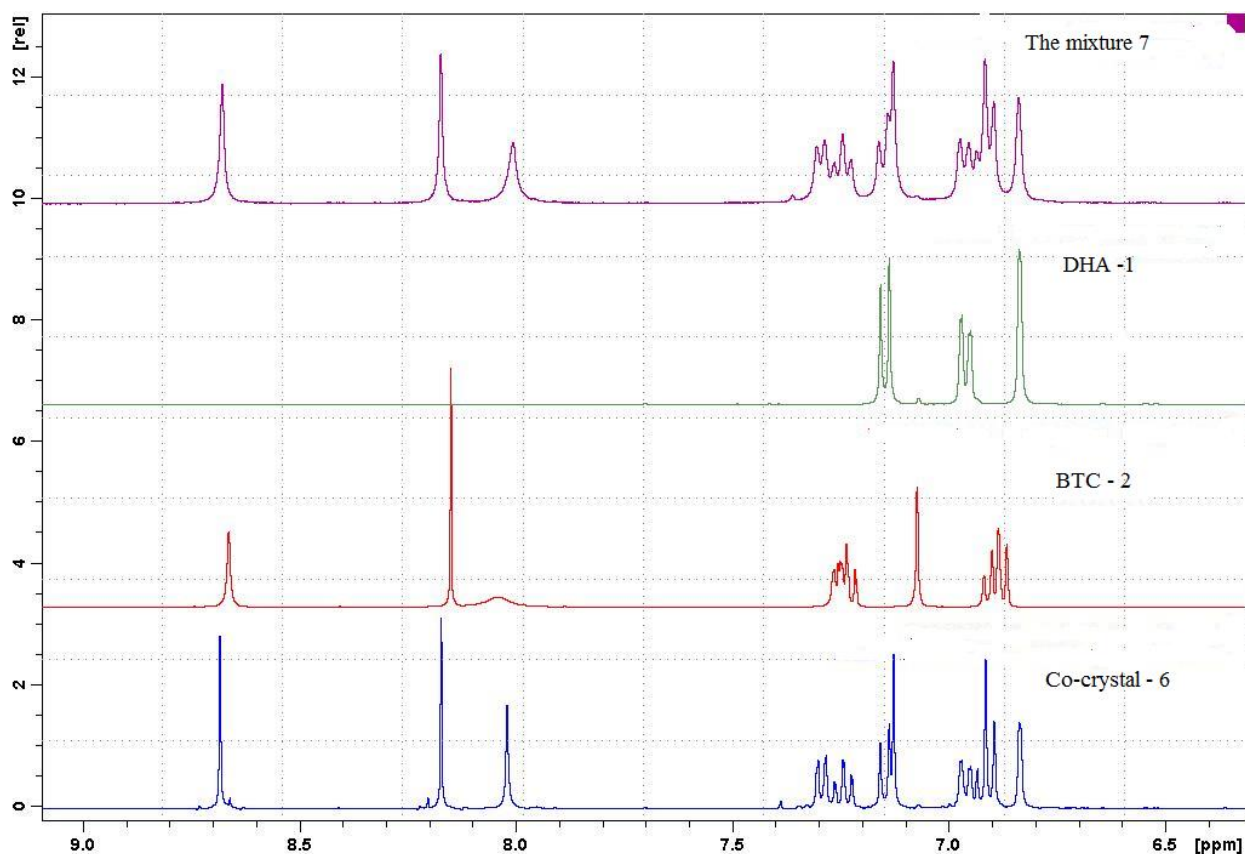


Figure S2. Overlapping of  $^1\text{H}$  NMR spectra of compounds 1, 2, 6 and system 7.

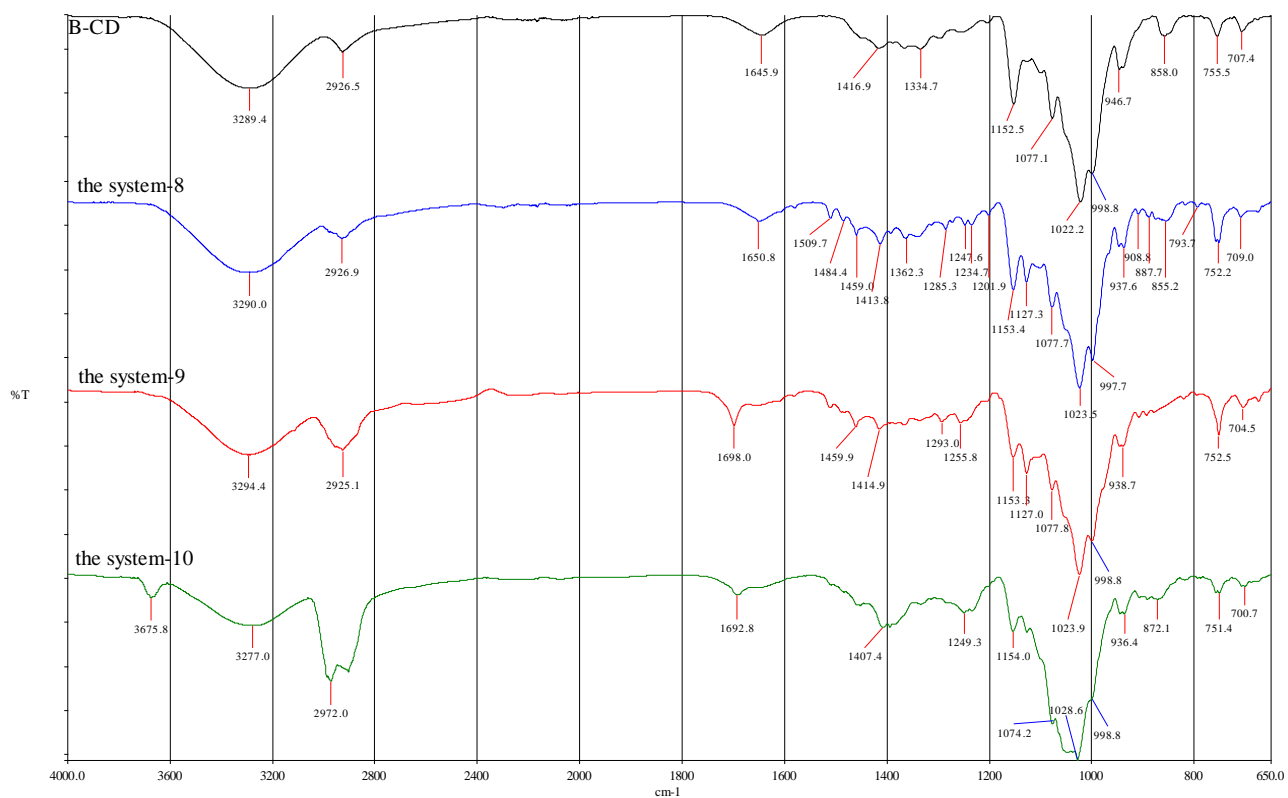


Figure S3. Overlapping of IR spectra of compound 3 and systems 8, 9 and 10.

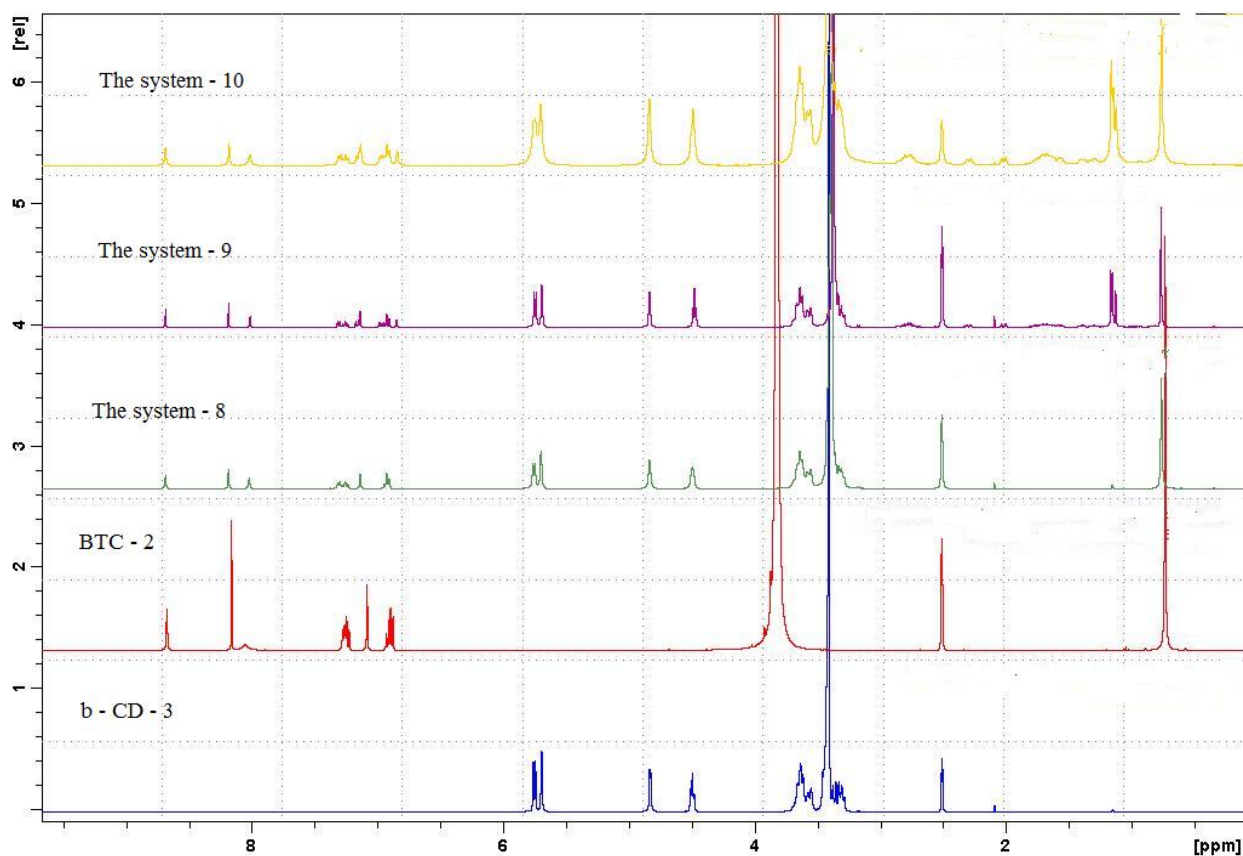


Figure S4. Overlapping of  $^1\text{H}$  NMR spectra of compounds 2, 3 and systems 8-10.

Table S1

Antibacterial activities of dehydroabietic acid, chromenol-triazol hybrid,  $\beta$ -CD, co-crystal and their mixed systems (MIC/MBC in mM).

Compounds	(1)	(2)	(3)	(6)	(7)	(8)	(9)	(10)	ampicillin	chloramphenicol
<i>Species</i>										
<i>Bacillus subtilis</i>	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.0057/	0.0093/
<i>Pseudomonas fluorescens</i>	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.2463/	0.0154/
<i>Erwinia amylovora</i>	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.0071/	0.0046/
<i>Erwinia carotovora</i>	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.0143	0.0093
<i>Xanthomonas campestris</i>	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.0028/	0.0077/
	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.0056	0.0015
	0.0414/	0.4445/	0.01/	0.21/	0.21/	0.0087/	0.0072/	0.0072/	0.0057/	0.0031/
	0.0414	0.4445	0.01	0.21	0.21	0.0087	0.0072	0.0072	0.0057	0.0031

Table S2

Antifungal activity of compounds (MIC/MFC in mM).										
Compounds Species	(1)	(2)	(6)	(7)	(8)	(9)	(10)	nystatin	ketoconazole	bifonazole
<i>Candida albicans</i>	0.40/0.40	0.11/0.11	0.02/0.02	0.02/0.02	0.08/0.08	0.07/0.08	0.07/0.09	0.65	0.25	0.32/0.64
<i>Saccharomyces cerevisiae</i>	0.40/0.40	0.11/0.11	0.01/0.01	0.02/0.02	0.08/0.08	0.07/0.07	0.07/0.07	0.55/0.65	0.03/0.19	0.25/0.32
<i>Aspergillus fumigatus</i>	0.35/0.40	0.24/0.24	0.08/0.22	0.10/0.22	0.16/0.22	0.05/0.10	0.14/0.19	0.55/0.65	0.38/0.94	0.48/0.64
<i>Aspergillus versicolor</i>	0.22/0.44	0.10/0.20	0.02/0.03	0.22/0.44	0.08/0.16	0.03/0.08	0.12/0.16	0.65/0.79	0.55/0.65	0.32/0.64
<i>Aspergillus ochraceus</i>	0.25/0.51	0.13/0.25	0.14/0.19	0.13/0.25	0.10/0.20	0.08/0.16	0.10/0.20	0.55/0.65	0.28/0.38	0.48/0.64
<i>Trichoderma viride</i>	0.68/0.86	0.10/0.20	0.12/0.16	0.13/0.25	0.12/0.24	0.10/0.20	0.12/0.24	0.55/0.65	1.88/2.82	0.48/0.64