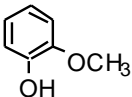
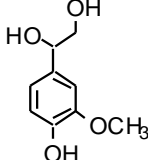
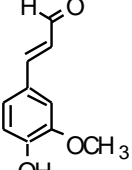
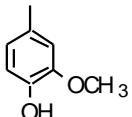
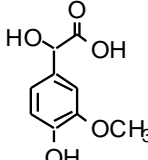
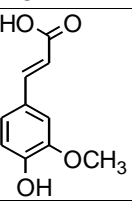
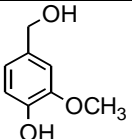
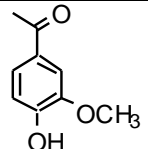
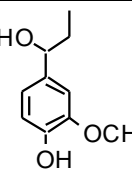
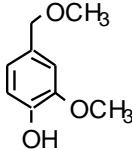
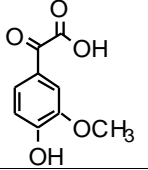
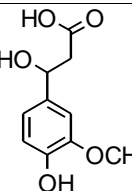
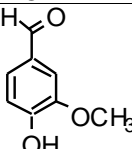
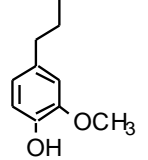
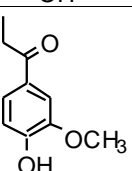
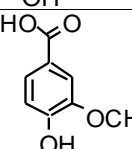
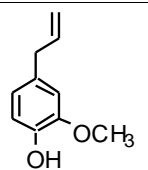
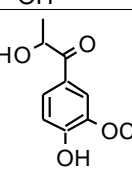
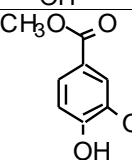
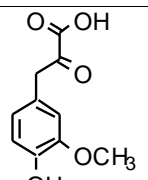
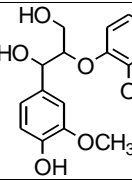
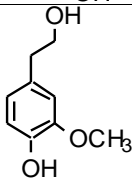
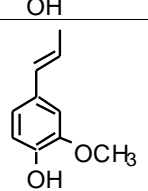
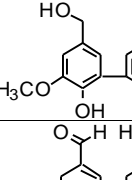
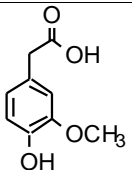
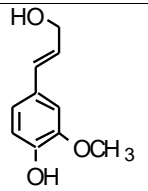
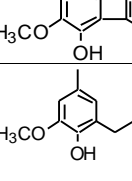
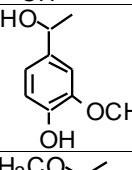
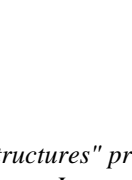
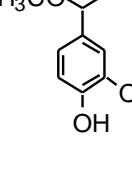
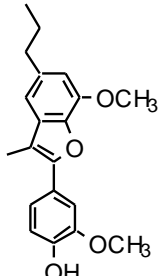
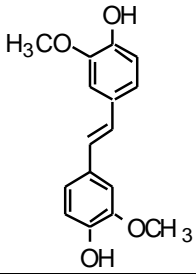
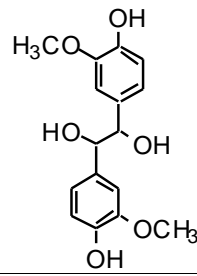
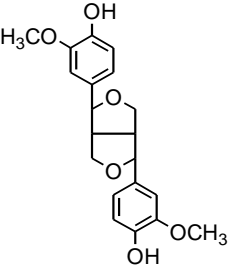
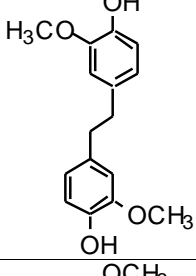
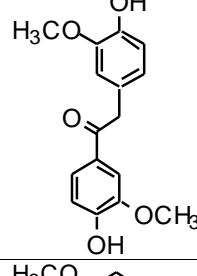
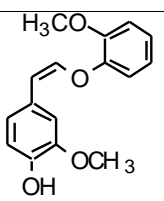
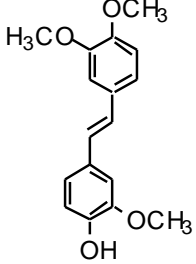
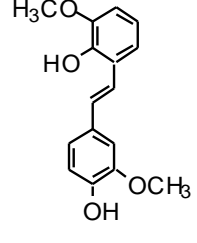


I. Guaiacyl compounds

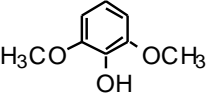
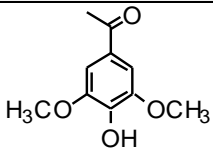



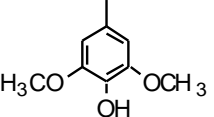
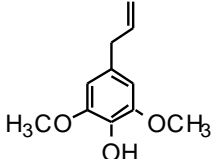
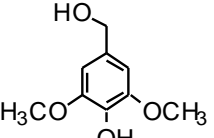
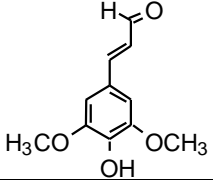
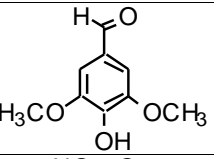
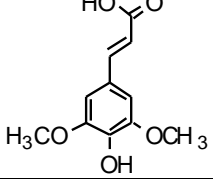
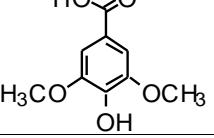
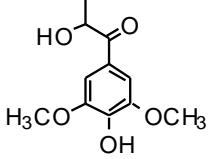
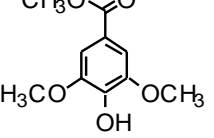

	pK_a 9.93		pK_a 9.50		pK_a 7.94
	pK_a 10.27		pK_{a1} 3.43 pK_{a2} 9.93		pK_{a1} 4.56 pK_{a2} 9.39
	pK_a 9.78		pK_a 7.81		pK_a 9.83
	pK_a 9.79		pK_{a1} 1.60 pK_{a2} 7.54		pK_{a1} 4.47 pK_{a2} 9.04
	pK_a 7.40		pK_a 9.85		pK_a 7.98
	pK_{a1} 4.42 pK_{a2} 9.39		pK_a 10.15		pK_a 7.32
	pK_a 8.30		pK_{a1} 2.57 pK_{a2} 10.97		pK_a 9.88
	pK_a 10.09		pK_a 9.89		pK_{a1} 6.87 pK_{a2} 11.3
	pK_{a1} 4.41 pK_{a2} 10.52		pK_a 9.54		pK_{a1} 6.16 pK_{a2} 10.07
	pK_a 9.83				pK_{a1} 8.8 pK_{a2} 11.0
	pK_a 9.75				

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Proposed pK_a -values in water at 25 °C of guaiacyl and syringyl phenols related to lignin.

	pK_a 9.87		pK_{a1} 7.27 pK_{a2} 10.39		pK_{a1} 9.45 pK_{a2} 10.25
	pK_{a1} 9.01 pK_{a2} 9.76		pK_{a1} 9.58 pK_{a2} 10.40		pK_{a1} 7.32 pK_{a2} 9.01
	pK_a 9.49		pK_a 9.34		pK_{a1} 8.85 pK_{a2} 9.98

II. Syringyl compounds

	pK_a 9.98		pK_a 7.88	 <p>KUNGL TEKNISKA HÖGSKOLAN</p>  
	pK_a 10.01		pK_a 10.05	
	pK_a 9.87		pK_a 8.2	
	pK_a 7.34		pK_{a1} 4.9 pK_{a2} 9.2	
	pK_{a1} 4.34 pK_{a2} 9.49		pK_a 7.45	
	pK_a 8.7			
				

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Appendix to the poster "On the Dissociation Constants of Phenolic Groups in Lignin Structures" presented at the 10th International Symposium on Wood and Pulp Chemistry (ISWPC), Yokohama, Japan, June 7-10, 1999