

Ring	π Value
Phenyl	+2.00
Naphthalene	+3.45
Phenanthrene	+4.46
Anthracene	+4.45
Pyridine	+0.65
Pyrimidine	-0.40
Pyrrole	+0.75
Pyrazole	+0.13
Piperidine	+0.84
Pyrrolidine	+0.46
Imidazole	-0.08
Thiophene	+1.81
Furan	+1.34
Quinoline	+2.03
Isoquinoline	+2.08
Thiazole	+0.44
Pyrazine	-0.17
Pyridazine	-0.71
Piperazine	-1.17
Indole	+2.14
Benzofuran	+2.67
Benzothiophene	+3.12
Benzimidazole	+1.34

Ring	π Value
Benzthiazole	+2.01
Oxazole	+0.17
Tetrazole	-0.58
Quinoxaline	+1.08
Morpholine	-1.08
Coumarin	+1.39
1,2,4-Triazole	-0.12
1,3,5-Triazine	-0.68