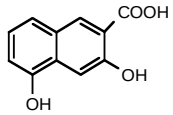
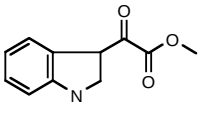
W0024

Hydrogen Bonding and Pi-Pi Interactions of a Dihydroxy Naphthoic Acid and a Methylindolylglyoxalate. Allison J. Dobson, Ph.D., Adam M. Donnelly, Christopher W. Grzegorzewski, Dept. of Chemistry, Georgia Southern Univ., Statesboro, GA 30460.

Good data sets have been collected for both of the title compounds: 3,5-dihydroxy-2-naphthoic acid (1) data was collected at room temperature at our new Structure Analysis Center by GSU undergraduate Adam M. Donnelly and methyl-3-indolylglyoxalate (2) data was collected at low temperature at Bill Pennington's facility at Clemson University. Title compound (1) crystallized in the centric monoclinic space group $P2_1/n$ and exhibits hydrogen bonding; (2) crystallized in P(-1) and we expect it to show pi-pi interactions. Standard crystallographic information will be given plus interesting facets of the structures will be discussed.



(1)



(2)