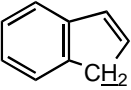
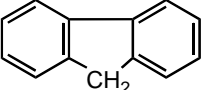
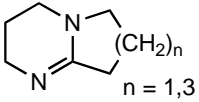

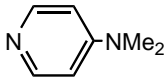
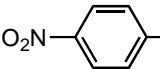


Chemistry 144
Organic Synthesis
M. E. Jung

Organic Acids and Bases

<u>Acid</u>	<u>pKa</u>	<u>Acid</u>	<u>pKa</u>	<u>Base</u>	<u>pKa (of conj. acid)</u>
CH ₂ (NO ₂) ₂	4	(CH ₃) ₃ COH	19	BuLi	45
CH ₃ CO ₂ H	5	PhCOCH ₃	19	RMgBr	45
Ph ₃ P ⁺ CH ₂ CO ₂ Et	6	CH ₃ COCH ₃	20	PhLi	40
(CH ₃) ₂ CHNO ₂	8		20	NaH/KH	~37
NCCH ₂ CO ₂ Et	9	Ph ₂ NH	21	R ₂ NLi	36
CH ₃ CH ₂ NO ₂	9	(CH ₃) ₃ CCOCH ₃	21	NH ₂ ⁻	35
CH ₃ NO ₂	10		23	CH ₃ SOCH ₂ ⁻ Na ⁺	35
PhOH	10	CH ₃ SO ₂ CH ₃	23-7	Ph ₃ C ⁻	31
Me ₃ NH ⁺	10	CH ₃ COCH ₂ CO ₂ Et	11	tBuO ⁻	19
CH ₃ COCH ₂ CO ₂ Et	11	CH ₃ CO ₂ Et	25	EtO ⁻	18
CH ₃ CH(COCH ₃) ₂	11	CH ₃ CN	25	MeO ⁻	17
CH ₂ (CN) ₂	11	H-C≡C-H	25	HO ⁻	16
CH ₃ SH	12	PhNH ₂	27	Na ₂ CO ₃	12
CH ₂ (CO ₂ Et) ₂	13	Ph ₃ CH	31		11-13
	15	Ph ₂ CH ₂	33		10-12
H ₂ O	16	CH ₃ SOCH ₃	35	PhO ⁻	10
PhCH ₂ COPh	16	NH ₃	35	R ₃ N	10
	16	(CH ₃ CH ₂) ₂ NH	36	ImH	7
CH ₃ OH	17	[(CH ₃) ₂ CH] ₂ NH	36	NaHCO ₃	7
CH ₃ COCH ₂ Cl	17	PhCH ₃	37	PhNEt ₂	6
CH ₃ CH ₂ OH	18	CH ₂ =CH-CH ₃	38	pyridine	5
(CH ₃)CHOH	18	PhH	40	AcO ⁻	5
CH ₃ PPh ₃ ⁺	18	R-H	45-52		