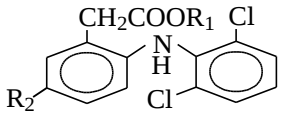
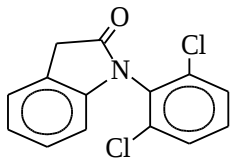
Table 2-6a: IR data of 2[2,6-dichlorophenyl-amino]benzene acetic acid derivatives



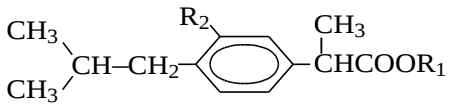
Comp. No.	R_1	R_2	C=O st. vib.	C-H Arom.	C-H aliph	C=C vib	C-N st. vib.	C-H bend deform. ring	Others	N-H st. vib.	N-H bending	C-O st. vib.
I	–Na	–H	1693	2962	2723	1502	1304	845	COO^-, asym 1507	3384	1574	1282
II	–H	–H	1693	2988	2984	1502	1291	762	2884	3321	1576	1291
III	$–C_2H_5$	–H	1711	3074	2981	1507	1237	770	-	3295	1578	1290
IV	$–CH_3$	–H	1719	3063	2951	1512	1255	773	-	3305	1576	1295
V		–H	1678	3069	2971	1500	1275	795	-	3250	-	1276
VI	–H	$–NO_2$	1692	3090		1529	1267	795	$–NO_2$, 1529, asym 1336 sym	3264	1599	1267
VII	–H	$–NH_2$	1708	-	2927	1399	1271	805	NH_2 St. vib. 3423 asym, 3358 sym	-	1490	1271
VIII	–H	$–ClSO_2$	1753	-	-	1486	1291	850	-	-	1486	1291
IX	–H	$–H_2NSO_2$	1732	3079	2915	1488	1320	786	$-SO_2$ 1357 NH2, 3553 asy 3478 sym	3238	1441	1242

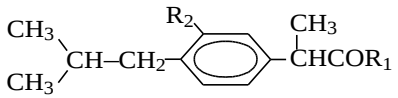
Table 2-6b: IR data for prepared 1-[2,6-dichlorophenyl]-oxindole (X)



Comp. No.	C=O st. vib.	C-H Arom.	C=C Arom.	C-N st. vib.	C-H bend deform. ring	Others	N-H st. vib.	N-H bending
X	1734	3073	1486	1241	749	-	-	-

Table 2-6c: IR data of 2-(4-isobutylphenyl)propanoic acid derivatives



Comp. No.	R_1	R_2	C=O st. vib.	C-H Arom.	C-H aliph	-CH_2	-CH_3	C=C Arom.	N-H st. vib.	N-H	C-H deform ring	-OH acid	C-O st. vib.	-NO_2
XI	–H	–H	1720	2921	2869	1459	1420	1507	-	-	866	2631	1268	-
XII	$–C_2H_5$	–H	1735	2959		1464	1416	1551	-	-	847	-	1180	-
XIII	$–CH_3$	–H	1739	2955	2865	1456	1369	1552	-	-	849	-	1166	-
XIV		–H	1734	3063	2908	1493	1451	1601	-	-	843	-	1147	-
XV	–H	$–NO_2$	1716	3111	2964	1484	1464	1289	-	Overtone orverlaps	852	-	1169	1543 asym, 1354 sym
XVI	–H	$–NH_2$	1656	2957	2920	1460	1400	1569	-	1514	884	2860	1148	-
														
XVII	–Cl	–H	1720		3095, 2922	1460	1420	1508	-	-	866	3955	1183	-
XVIII	$–NH_2$	– H	1711	2953	2918	1461	1406	1514	3551 asym, 3476 sym	1511	801	-	1113	-
XIX	–OH	$CH_3CONH–$	1714	2953	2926	1468	1430	1471	3484	1571	882	2855	1126	-