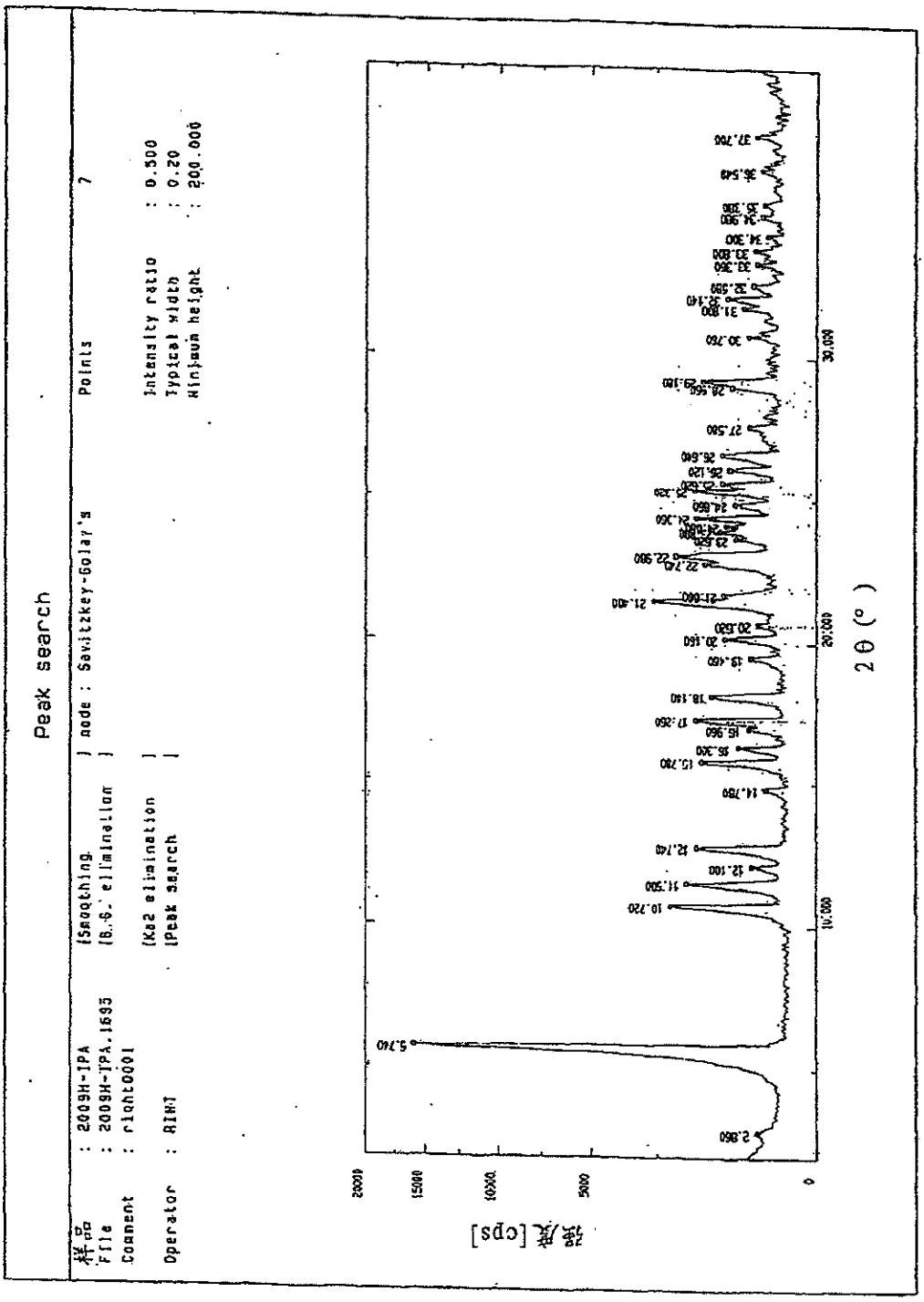


Figure 1. X-ray diffraction pattern of Icotinib hydrochloride crystalline form I (crystallization from isopropanol)

Peak search

样品 2009H-IPA File : 2009H-IPA.1695 Comment : right0001
Operator : RINT

峰编号	2θ	FWHM	d-值	强度	I/Io	峰编号	2θ	FWHM	d-值	强度	I/Io
1	2.860	*****	30.8660	354	2	31	29.180	0.165	3.0579	1266	8
2	5.740	0.165	15.3841	15880	100	32	30.760	0.118	2.9043	473	3
3	10.720	0.165	8.2459	2088	13	33	31.800	0.141	2.8117	528	3
4	11.500	0.165	7.6884	1648	10	34	32.140	0.259	2.7827	781	5
5	12.100	0.165	7.3084	408	3	35	32.580	0.141	2.7461	411	3
6	12.740	0.165	6.9427	1404	9	36	33.360	*****	2.6837	366	2
7	14.780	*****	5.9887	259	2	37	33.800	0.141	2.6497	382	2
8	15.780	0.188	5.6114	1288	8	38	34.300	*****	2.6122	239	2
9	16.300	0.141	5.4335	593	4	39	34.980	*****	2.5630	303	2
10	16.960	0.165	5.2235	457	3	40	35.380	*****	2.5349	281	2
11	17.260	0.188	5.1334	1423	9	41	36.540	*****	2.4571	297	2
12	18.140	0.259	4.8863	1056	7	42	37.700	*****	2.3841	368	2
13	19.460	0.188	4.5577	432	3						
14	20.180	0.165	4.4010	812	5						
15	20.620	0.188	4.3039	345	2						
16	21.400	0.188	4.1487	2628	17						
17	21.660	0.141	4.0995	833	5						
18	22.740	0.118	3.9072	1213	8						
19	22.980	0.118	3.8669	1958	12						
20	23.620	0.118	3.7636	635	4						
21	23.880	0.141	3.7232	905	6						
22	24.080	0.118	3.6927	790	5						
23	24.360	0.153	3.6509	1415	9						
24	24.860	0.259	3.5788	682	4						
25	25.320	0.188	3.5146	1464	9						
26	25.620	0.212	3.4741	876	6						
27	26.120	0.188	3.4088	736	5						
28	26.640	0.282	3.3434	870	5						
29	27.580	0.212	3.2315	463	3						
30	28.960	0.118	3.0806	713	4						

Figure 1 Cont. X-ray diffraction pattern of Icotinib hydrochloride crystalline form I (crystallization from isopropanol)

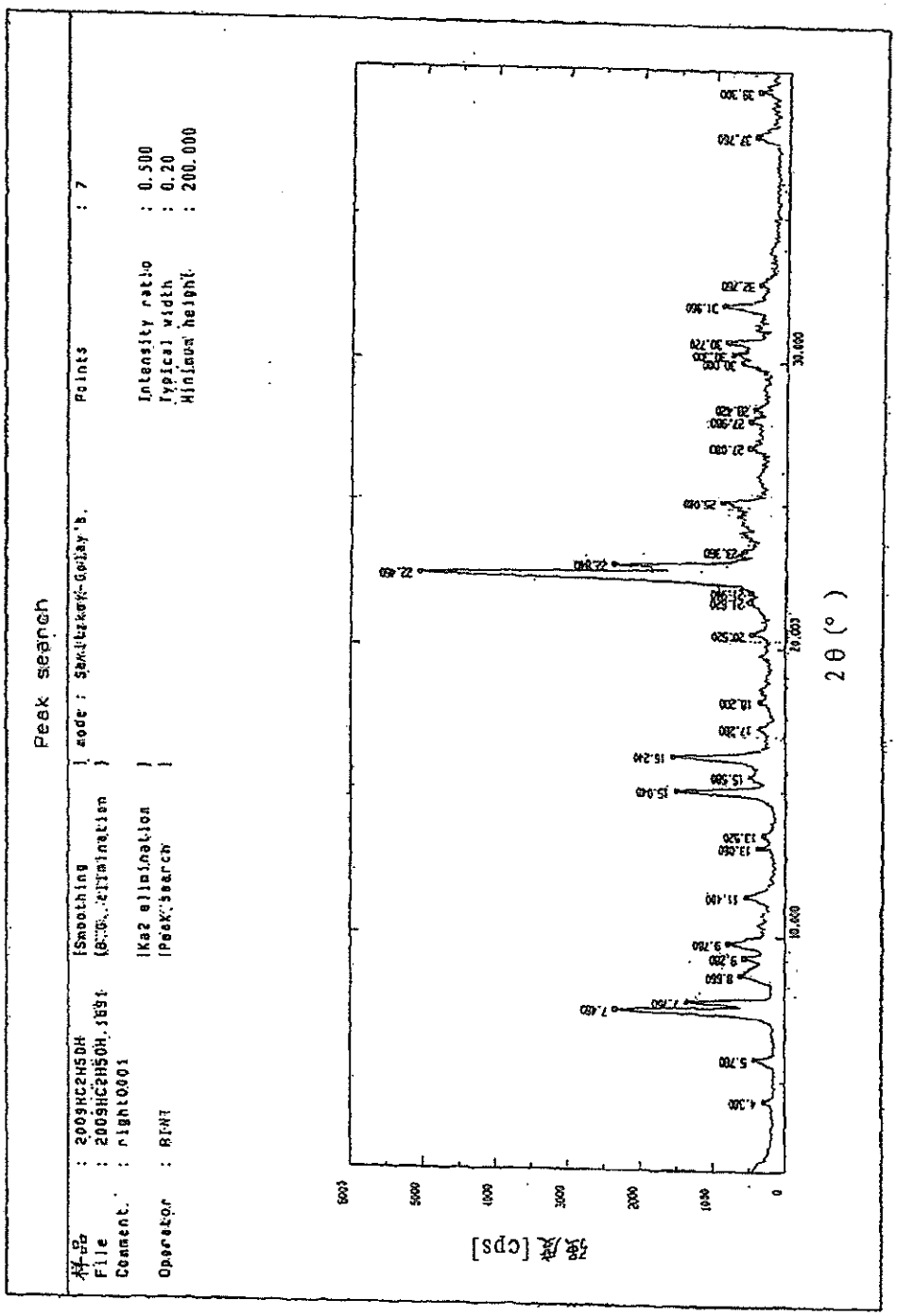


Figure 2. X-ray diffraction pattern of Icotinib hydrochloride crystalline form II (crystallization from 50% ethanol)

Peak search

样品 : 2009HC2H5OH File : 2009HC2H5OH.1691 Comment : right0001
Operator : RINT

峰编号	2θ	FWHM	d-值	强度	I/Io	峰编号	2θ	FWHM	d-值	强度	I/Io
1	4.380	*****	20.1574	291	6	31	37.760	0.118	2.3804	457	9
2	5.780	*****	15.2777	425	8	32	39.300	0.118	2.2908	426	8
3	7.460	0.235	11.8405	2336	48						
4	7.760	0.185	11.3834	1359	27						
5	8.660	0.141	10.2023	618	12						
6	9.280	0.141	9.5220	560	11						
7	9.780	0.282	9.0363	795	16						
8	11.400	0.212	7.7556	544	11						
9	13.060	*****	6.7730	370	7						
10	13.520	*****	6.5438	303	6						
11	15.040	0.212	5.8857	1507	30						
12	15.580	0.118	5.6829	480	9						
13	16.240	0.212	5.4534	1556	31						
14	17.280	*****	5.1275	367	7						
15	18.200	*****	4.8703	354	7						
16	20.520	0.141	4.3246	475	9						
17	21.620	0.118	4.1070	501	10						
18	21.940	0.118	4.0478	497	10						
19	22.460	0.259	3.9553	5064	100						
20	22.840	0.141	3.8903	2359	47						
21	23.360	0.141	3.8049	585	12						
22	25.080	0.141	3.6477	885	17						
23	27.080	0.118	3.2901	515	10						
24	27.980	0.165	3.1862	510	10						
25	28.420	0.118	3.1379	447	9						
26	30.000	0.188	2.9761	626	12						
27	30.300	0.141	2.9474	762	15						
28	30.720	0.212	2.9080	815	16						
29	31.960	0.188	2.7980	871	17						
30	32.760	0.165	2.7314	383	8						

Figure 2 Cont. X-ray diffraction pattern of Icotinib hydrochloride crystalline form II (crystallization from 50% ethanol)

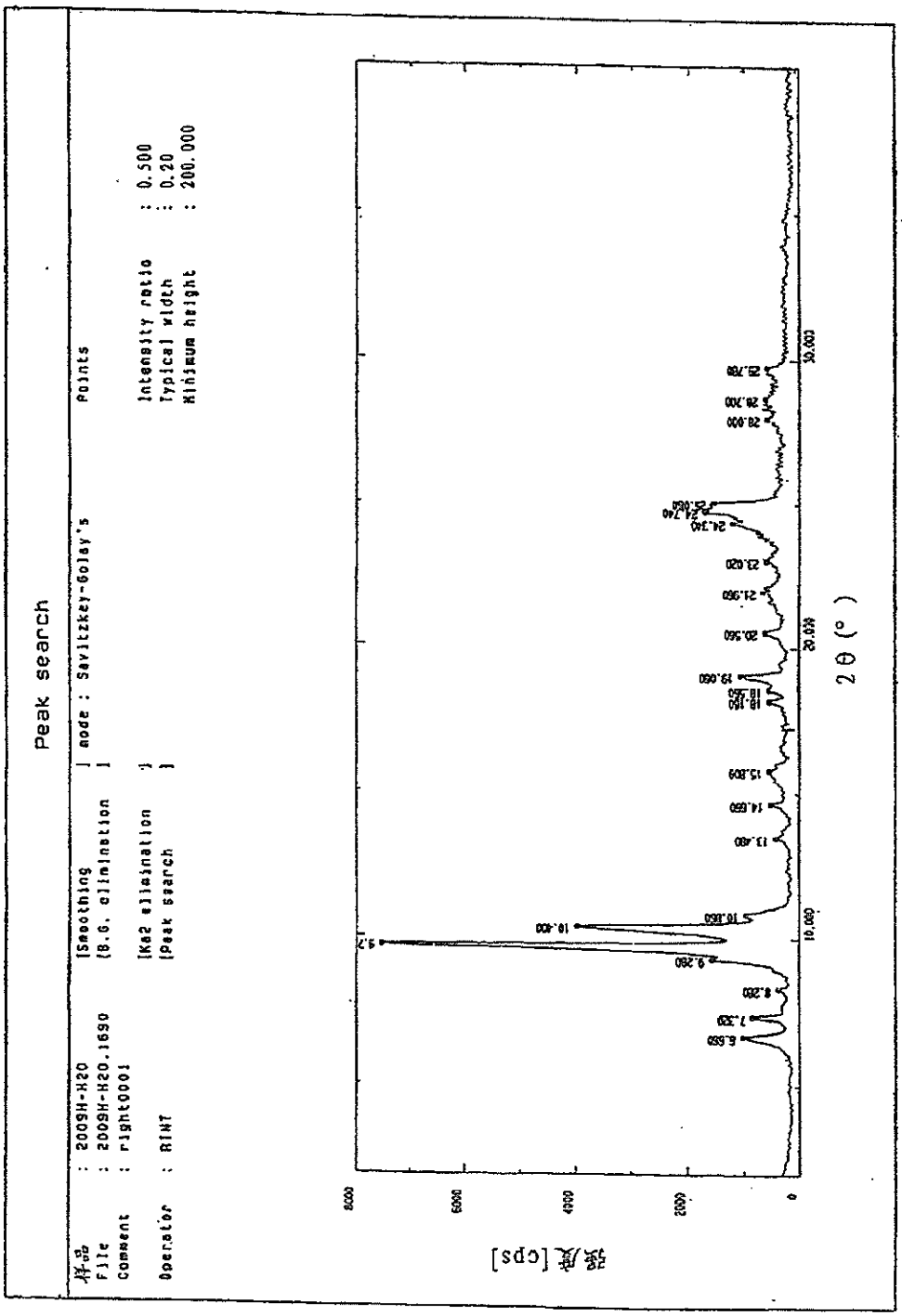
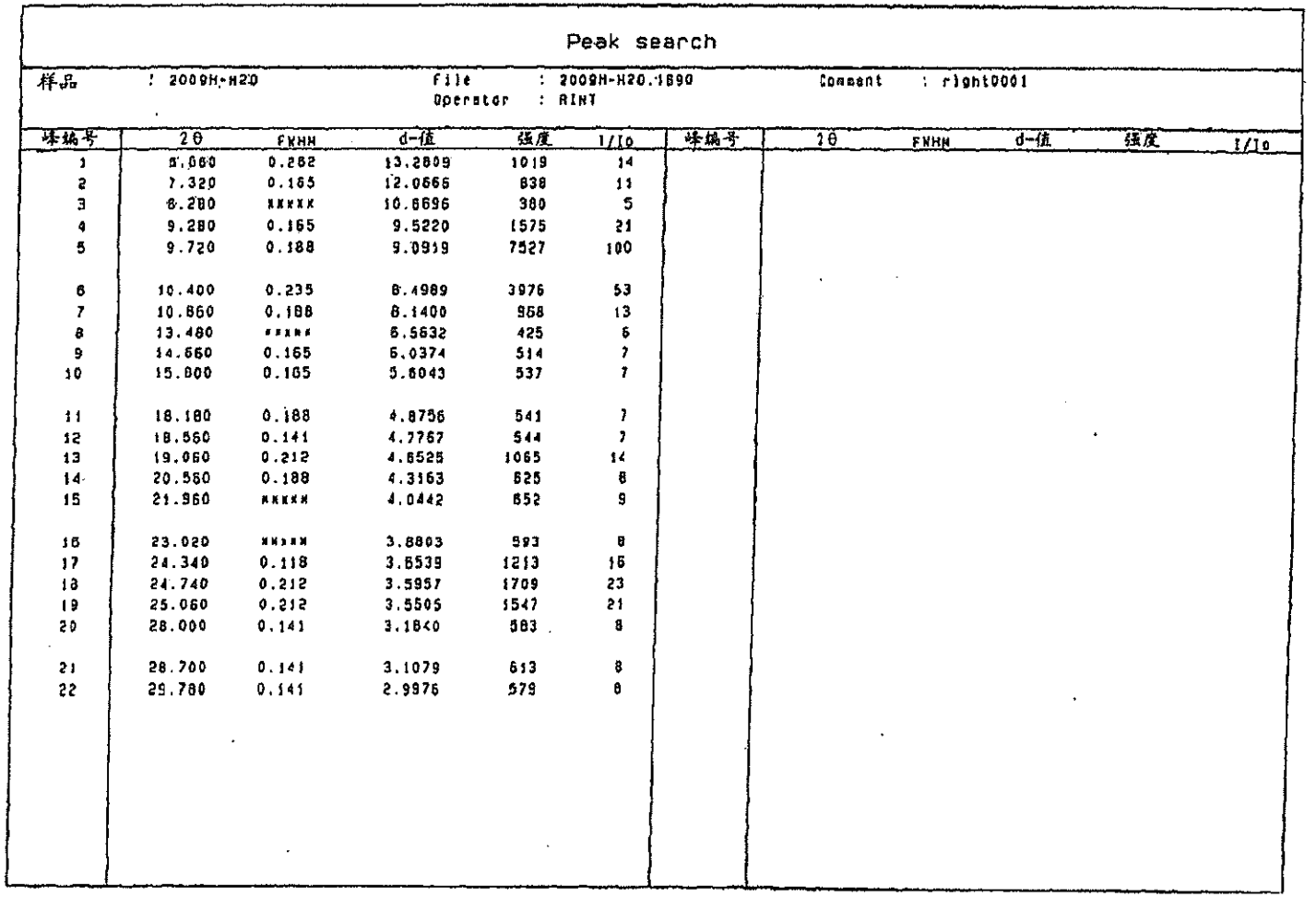


Figure 3. X-ray diffraction pattern of Icotinib hydrochloride crystalline form III (crystallization from an aqueous solvent)



Peak search

样品 : 2009H-H20 File : 2009H-H20.1890 Comment : right0001
Operator : RINT

峰编号	2θ	FWHM	d-值	强度	I/Io	峰编号	2θ	FWHM	d-值	强度	I/Io
1	6.660	0.282	13.2609	1019	14						
2	7.320	0.165	12.0665	838	11						
3	8.280	*****	10.6696	380	5						
4	9.280	0.165	9.5220	1575	21						
5	9.720	0.188	9.0919	7527	100						
6	10.400	0.235	8.4989	3976	53						
7	10.860	0.188	8.1400	958	13						
8	13.480	*****	6.5632	425	6						
9	14.660	0.165	6.0374	514	7						
10	15.900	0.165	5.5043	537	7						
11	18.180	0.188	4.8756	541	7						
12	18.560	0.141	4.7767	544	7						
13	19.060	0.212	4.6525	1065	14						
14	20.560	0.188	4.3163	825	8						
15	21.960	*****	4.0442	852	9						
16	23.020	*****	3.8603	593	8						
17	24.340	0.118	3.6539	1213	16						
18	24.740	0.212	3.5957	1709	23						
19	25.060	0.212	3.5505	1547	21						
20	28.000	0.141	3.1840	583	8						
21	28.700	0.141	3.1079	613	8						
22	29.780	0.141	2.9976	579	8						

Figure 3 Cont. X-ray diffraction pattern of Icotinib hydrochloride crystalline form III (crystallization from an aqueous solvent)

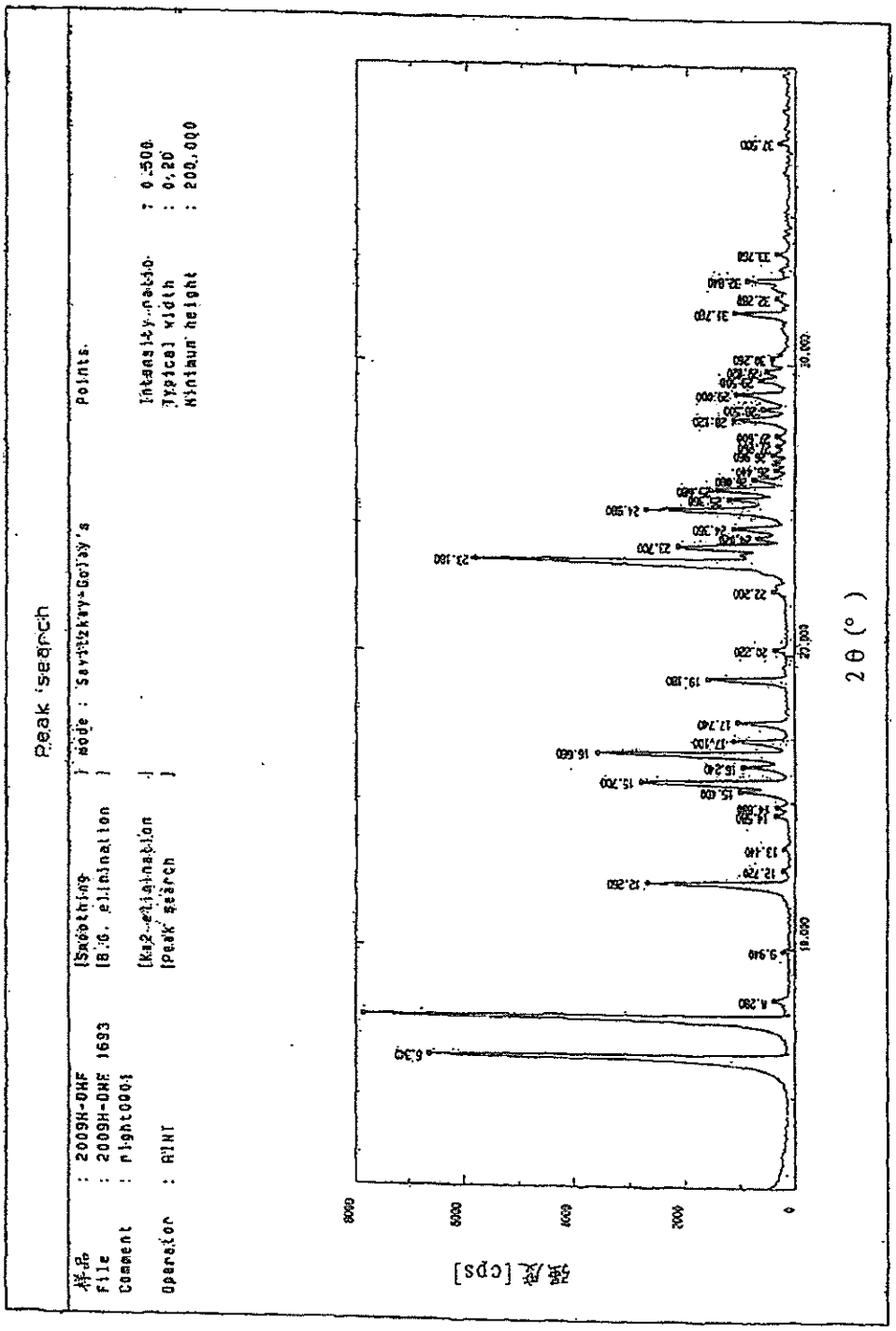


Figure 4. X-ray diffraction pattern of Icotinib hydrochloride crystalline form IV (crystallization from N, N-dimethylformamide)

Peak search

样品 : 2009H-DMF File : 2009H-DMF.1893 Comment : right0001
Operator : RINT

峰编号	2θ	FWHM	d-值	强度	I/Io	峰编号	2θ	FWHM	d-值	强度	I/Io
1	6.340	0.141	13.9295	6612	84	31	26.120	0.188	3.1707	1152	15
2	7.660	0.141	11.5318	7855	100	32	26.500	0.141	3.1293	597	8
3	8.280	0.212	10.6698	381	5	33	29.000	0.165	3.0764	1092	14
4	9.940	*****	8.8912	215	3	34	29.500	0.188	3.0254	656	8
5	12.260	0.141	7.2134	2675	34	35	29.820	0.235	2.9937	545	7
6	12.720	*****	6.9536	224	3	36	30.260	0.188	2.9512	424	5
7	13.440	*****	6.5826	197	3	37	31.780	0.165	2.8134	1132	14
8	14.580	0.165	6.0704	359	5	38	32.280	0.188	2.7709	335	4
9	14.880	0.188	5.9487	338	4	39	32.840	0.141	2.7250	896	11
10	15.400	0.141	5.7490	1003	13	40	33.760	0.141	2.6528	348	4
11	15.700	0.188	5.6398	2795	36	41	37.500	*****	2.3963	286	4
12	16.240	0.141	5.4534	943	12						
13	16.660	0.165	5.3169	3581	46						
14	17.100	0.165	5.1811	1135	14						
15	17.740	0.141	4.9956	1047	13						
16	19.180	0.165	4.6235	1600	20						
17	20.220	0.141	4.3881	379	5						
18	22.200	0.118	4.0010	404	5						
19	23.180	0.165	3.8340	5797	74						
20	23.700	0.212	3.7511	2133	27						
21	24.020	0.165	3.7018	669	9						
22	24.360	0.165	3.6509	1135	14						
23	24.980	0.165	3.5617	2710	34						
24	25.360	0.141	3.5092	1228	15						
25	25.680	0.188	3.4662	1427	18						
26	26.080	0.188	3.4139	749	10						
27	26.440	0.141	3.3682	352	4						
28	26.960	0.212	3.3044	409	5						
29	27.260	0.141	3.2687	313	4						
30	27.600	0.118	3.2292	327	4						

Figure 4 Cont. X-ray diffraction pattern of Icotinib hydrochloride crystalline form IV (crystallization from N, N-dimethylformamide)

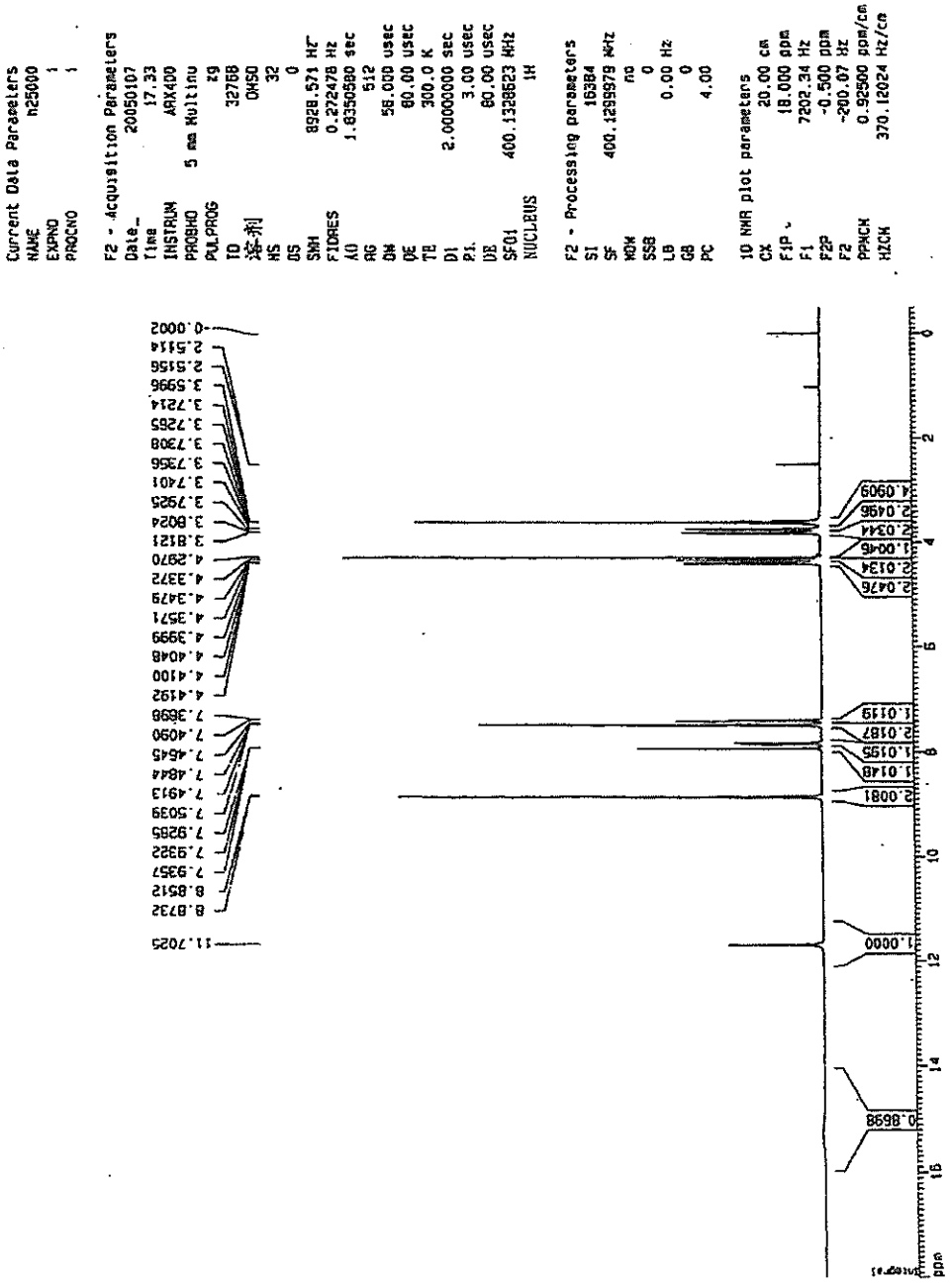


Figure 5. ^{1}H-NMR spectra for Icotinib hydrochloride

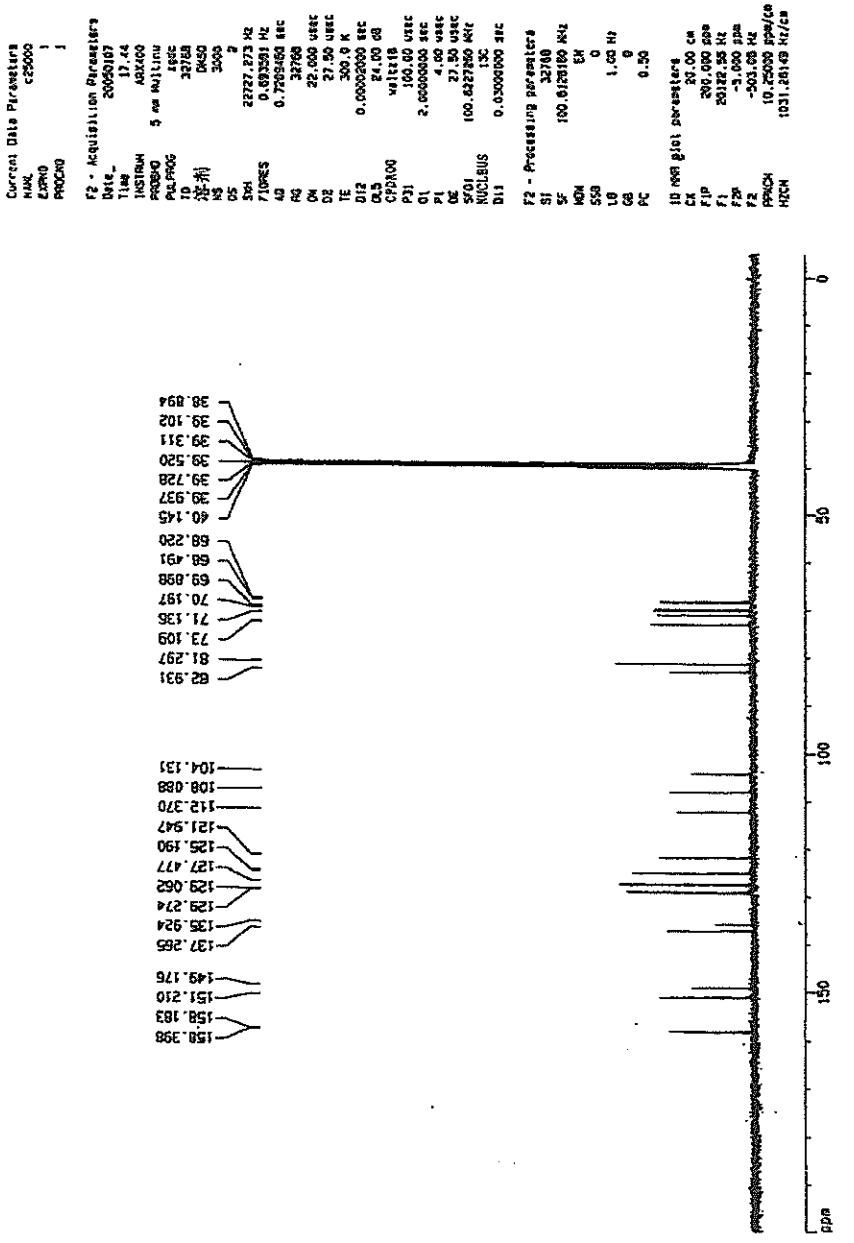


Figure 6. ^{13}C-NMR spectra for Icotinib hydrochloride