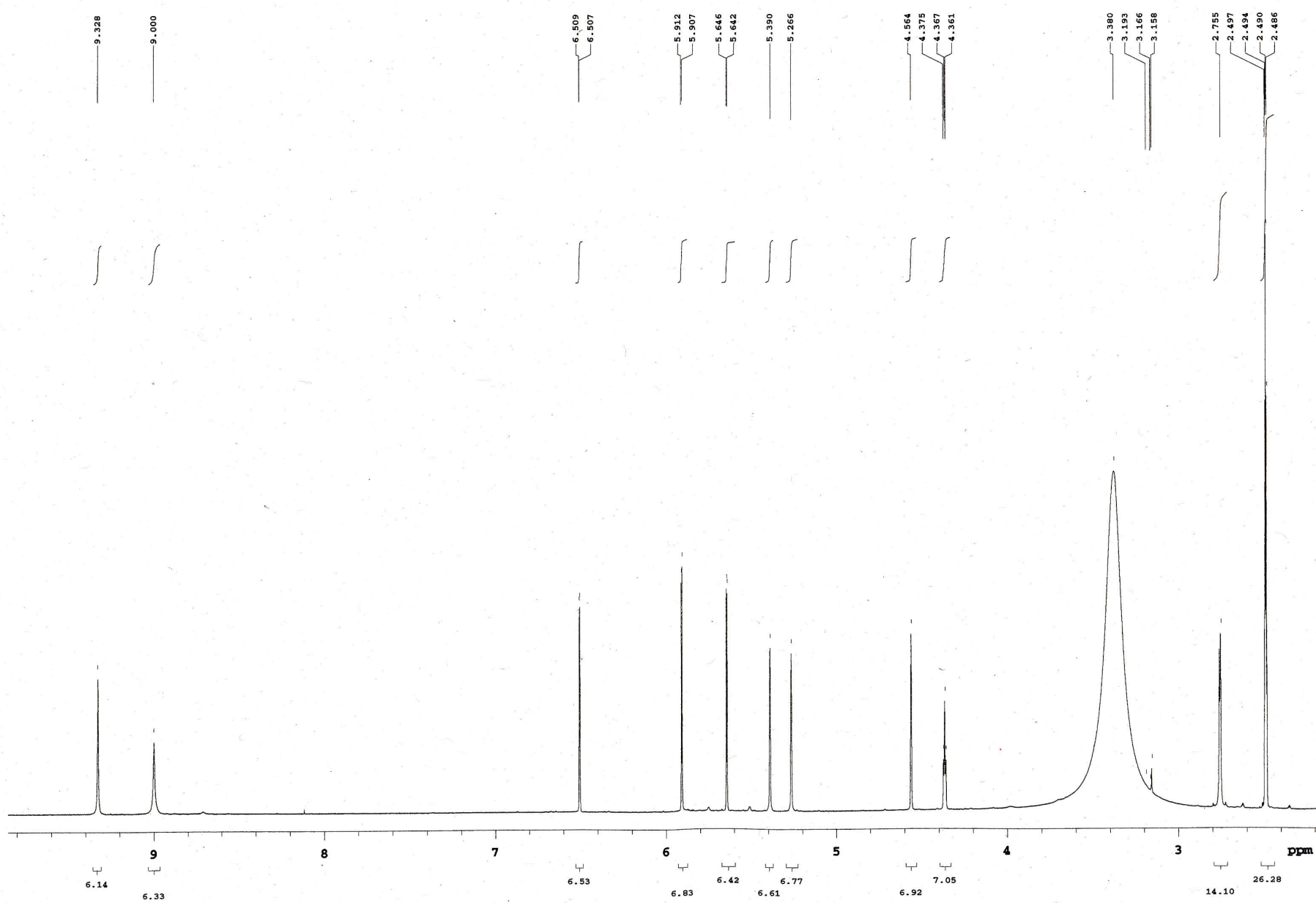


Phenolics from *Camellia sinensis* L. : Spectral data of teadenol A and teadenol B

K. Ishimaru, T. Yanagita, T. Tanaka, K. Koba, D. Kawamura

Japanese Patent: 2009-218052 (2009.9.18)

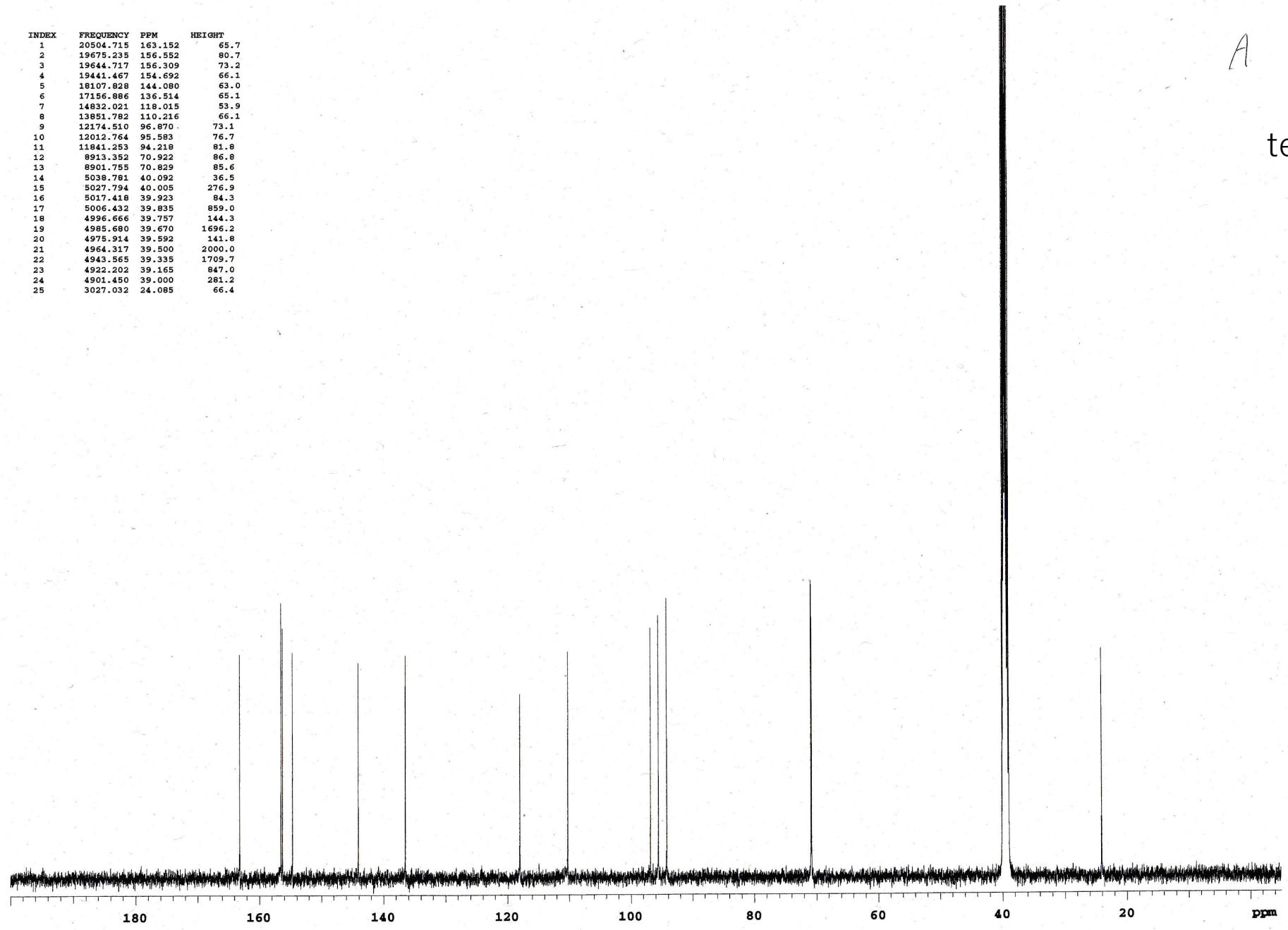


teadenol A

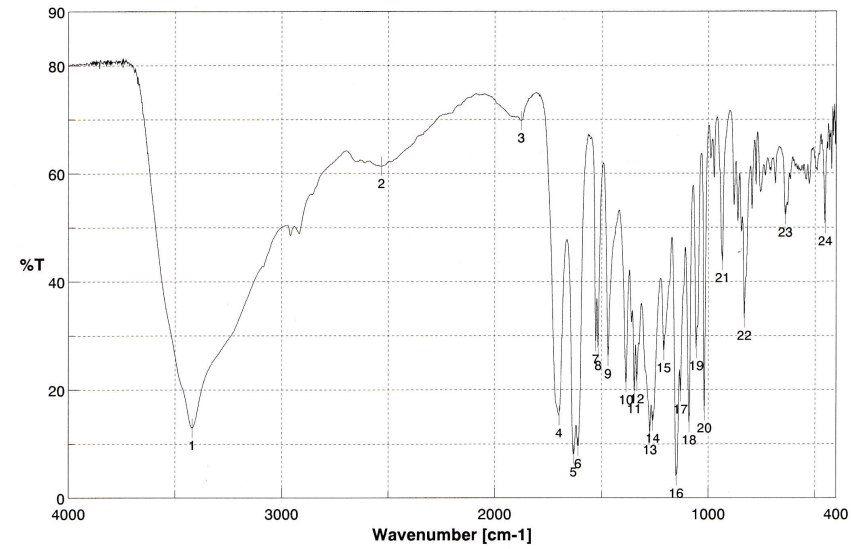
| INDEX | FREQUENCY | PPM | HEIGHT |
|-------|-----------|---------|--------|
| 1 | 20504.715 | 163.152 | 65.7 |
| 2 | 19675.235 | 156.552 | 80.7 |
| 3 | 19644.717 | 156.309 | 73.2 |
| 4 | 19441.467 | 154.692 | 66.1 |
| 5 | 18107.828 | 144.080 | 63.0 |
| 6 | 17156.886 | 136.514 | 65.1 |
| 7 | 14832.021 | 118.015 | 53.9 |
| 8 | 13851.782 | 110.216 | 66.1 |
| 9 | 12174.510 | 96.870 | 73.1 |
| 10 | 12012.764 | 95.583 | 76.7 |
| 11 | 11841.253 | 94.218 | 81.8 |
| 12 | 8913.352 | 70.922 | 86.8 |
| 13 | 8901.755 | 70.829 | 85.6 |
| 14 | 5038.781 | 40.092 | 36.5 |
| 15 | 5027.794 | 40.005 | 276.9 |
| 16 | 5017.418 | 39.923 | 84.3 |
| 17 | 5006.432 | 39.835 | 859.0 |
| 18 | 4996.666 | 39.757 | 144.3 |
| 19 | 4985.680 | 39.670 | 1696.2 |
| 20 | 4275.914 | 39.592 | 141.8 |
| 21 | 4964.317 | 39.500 | 2000.0 |
| 22 | 4943.565 | 39.335 | 1709.7 |
| 23 | 4922.202 | 39.165 | 847.0 |
| 24 | 4901.450 | 39.000 | 281.2 |
| 25 | 3027.032 | 24.085 | 66.4 |

A

teadenol A



teadenol A



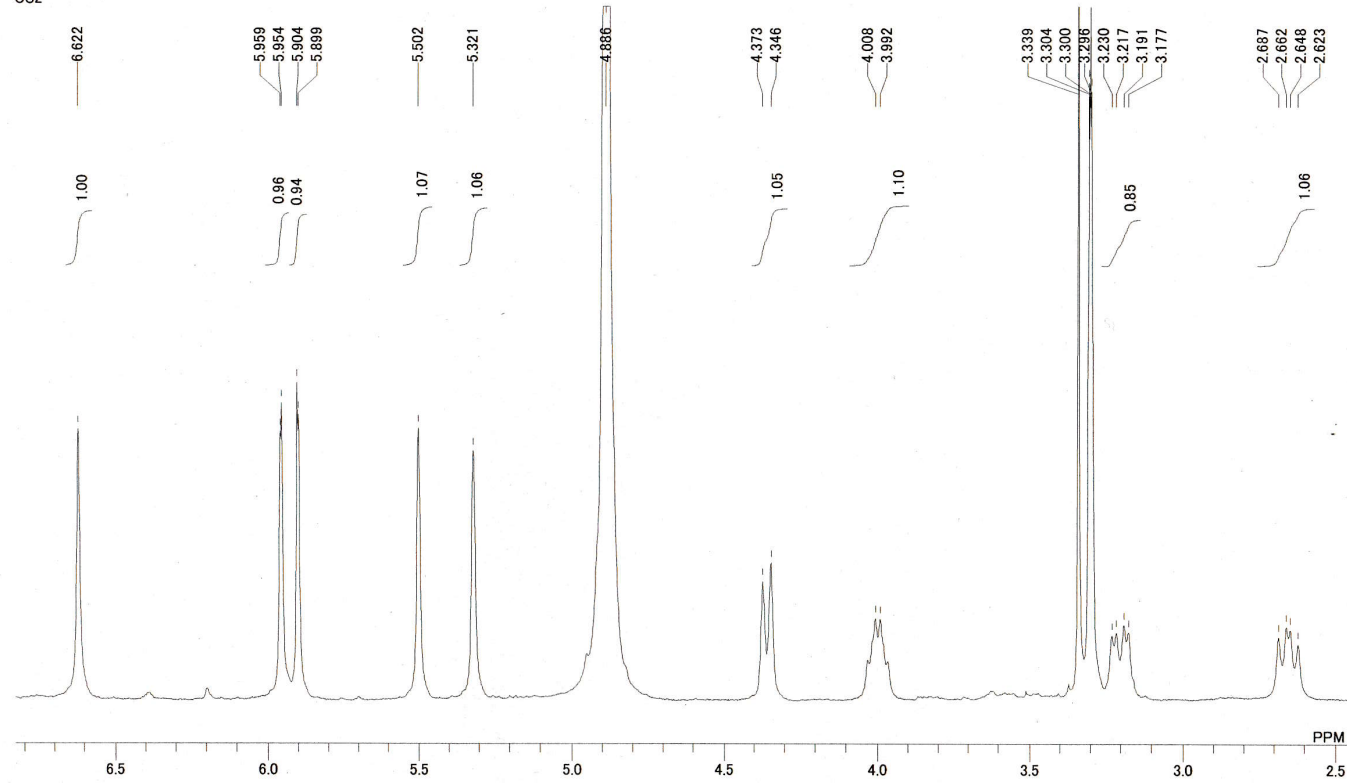
積算回数 Auto (70)
分解 2 cm-1
ゼロフィリング ON
アポダイゼーション Cosine
ゲイン Auto (4)
スキャンスピード Auto (2 mm/sec)
測定日時 2009/01/19 13:07
更新日時 2009/01/19 13:18
測定者
ファイル名 isimaruCS1.jws
サンプル名
コメント

| No. | cm-1 | %T | No. | cm-1 | %T | No. | cm-1 | %T |
|-----|---------|---------|-----|---------|---------|-----|---------|---------|
| 1 | 3420.14 | 12.928 | 2 | 2532.56 | 61.3241 | 3 | 1876.88 | 69.7193 |
| 4 | 1700.43 | 15.1824 | 5 | 1631.97 | 8.02051 | 6 | 1611.23 | 9.51853 |
| 7 | 1528.31 | 28.8227 | 8 | 1517.22 | 27.6249 | 9 | 1470.46 | 26.1256 |
| 10 | 1386.09 | 21.3218 | 11 | 1347.03 | 19.6869 | 12 | 1334.98 | 21.5073 |
| 13 | 1272.79 | 12.0919 | 14 | 1259.77 | 14.2383 | 15 | 1207.7 | 27.2235 |
| 16 | 1149.37 | 4.04417 | 17 | 1129.6 | 19.602 | 18 | 1089.1 | 13.9245 |
| 19 | 1055.84 | 27.6213 | 20 | 1018.23 | 16.1318 | 21 | 934.824 | 43.8407 |
| 22 | 831.651 | 33.1384 | 23 | 639.769 | 52.2595 | 24 | 452.225 | 50.6357 |

teadenol A

B

G:\ISHIMARU\Ishimaru\CS2H.als
CS2

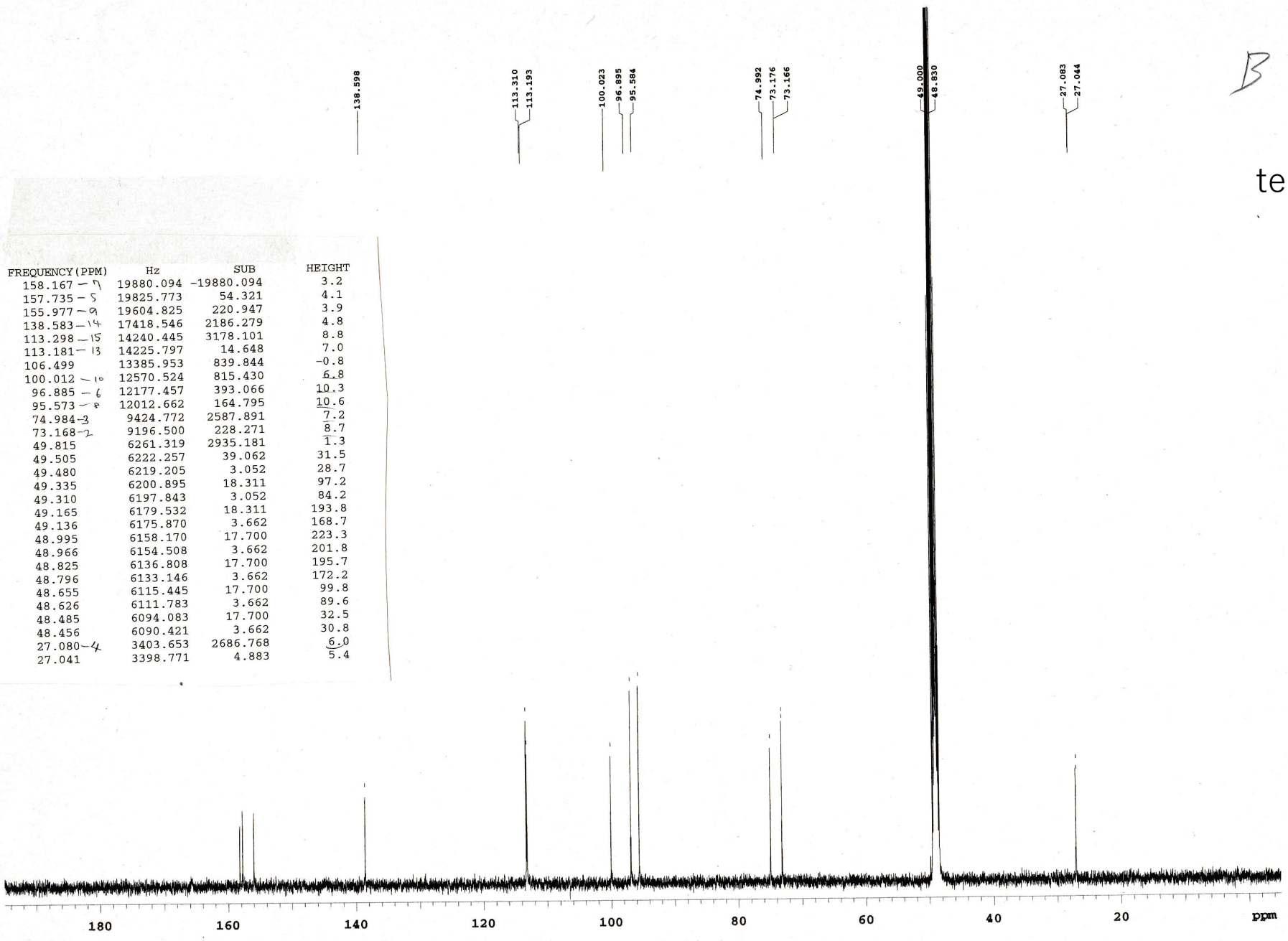


teadenol B

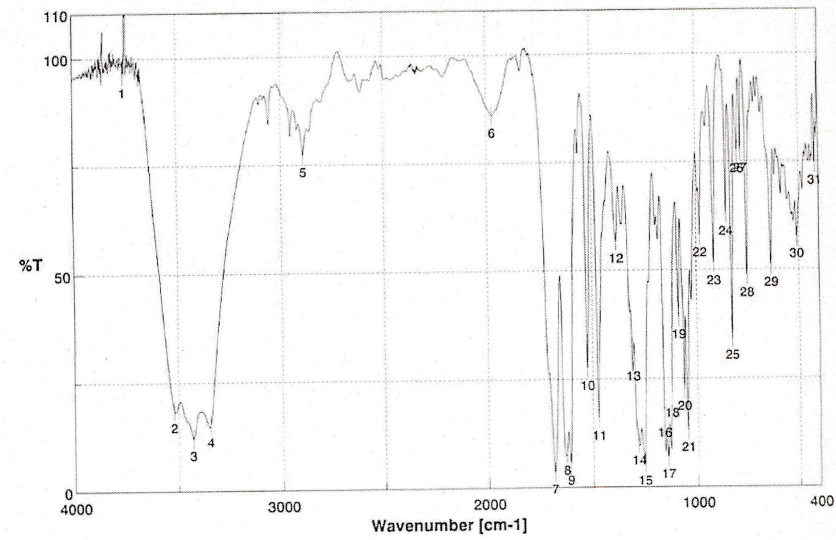
B

teadenol B

| FREQUENCY (PPM) | Hz | SUB | HEIGHT |
|-----------------|-----------|------------|--------|
| 158.167 - 7 | 19880.094 | -19880.094 | 3.2 |
| 157.735 - 5 | 19825.773 | 54.321 | 4.1 |
| 155.977 - 9 | 19604.825 | 220.947 | 3.9 |
| 138.583 - 14 | 17418.546 | 2186.279 | 4.8 |
| 113.298 - 15 | 14240.445 | 3178.101 | 8.8 |
| 113.181 - 13 | 14225.797 | 14.648 | 7.0 |
| 106.499 | 13385.953 | 839.844 | -0.8 |
| 100.012 - 10 | 12570.524 | 815.430 | 6.8 |
| 96.885 - 6 | 12177.457 | 393.066 | 10.3 |
| 95.573 - 8 | 12012.662 | 164.795 | 10.6 |
| 74.984 - 3 | 9424.772 | 2587.891 | 7.2 |
| 73.168 - 2 | 9196.500 | 228.271 | 8.7 |
| 49.815 | 6261.319 | 2935.181 | 1.3 |
| 49.505 | 6222.257 | 39.062 | 31.5 |
| 49.480 | 6219.205 | 3.052 | 28.7 |
| 49.335 | 6200.895 | 18.311 | 97.2 |
| 49.310 | 6197.843 | 3.052 | 84.2 |
| 49.165 | 6179.532 | 18.311 | 193.8 |
| 49.136 | 6175.870 | 3.662 | 168.7 |
| 48.995 | 6158.170 | 17.700 | 223.3 |
| 48.966 | 6154.508 | 3.662 | 201.8 |
| 48.825 | 6136.808 | 17.700 | 195.7 |
| 48.796 | 6133.146 | 3.662 | 172.2 |
| 48.655 | 6115.445 | 17.700 | 99.8 |
| 48.626 | 6111.783 | 3.662 | 89.6 |
| 48.485 | 6094.083 | 17.700 | 32.5 |
| 48.456 | 6090.421 | 3.662 | 30.8 |
| 27.080 - 4 | 3403.653 | 2686.768 | 6.0 |
| 27.041 | 3398.771 | 4.883 | 5.4 |



teadenol B



積算回数 Auto (57)
 分解 1 cm-1
 ゼロフィリング ON
 アポダイゼーション Cosine
 ゲイン Auto (8)
 スキャンスピード Auto (2 mm/sec)
 測定日時 2010/10/06 19:36
 更新日時 2010/10/06 19:41
 測定者
 ファイル名 Memory#5
 サンプル名
 コメント

| No. | cm-1 | %T | No. | cm-1 | %T | No. | cm-1 | %T |
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| 1 | 3754.97 | 95.8802 | 2 | 3521.14 | 18.5933 | 3 | 3430.98 | 12.1311 |
| 4 | 3346.37 | 15.2103 | 5 | 2890.29 | 77.2181 | 6 | 1970.17 | 85.8409 |
| 7 | 1683.79 | 3.60452 | 8 | 1624.49 | 7.9006 | 9 | 1607.14 | 5.65229 |
| 10 | 1523.73 | 27.3551 | 11 | 1471.66 | 15.832 | 12 | 1382.47 | 56.6729 |
| 13 | 1307.02 | 29.4802 | 14 | 1283.88 | 10.0661 | 15 | 1256.4 | 5.42844 |
| 16 | 1159.49 | 16.3949 | 17 | 1143.1 | 6.93039 | 18 | 1122.85 | 20.9516 |
| 19 | 1087.41 | 39.0798 | 20 | 1061.86 | 22.553 | 21 | 1045.47 | 13.0148 |
| 22 | 980.866 | 57.9011 | 23 | 914.093 | 51.4041 | 24 | 854.311 | 62.7826 |
| 25 | 827.794 | 34.1794 | 26 | 797.421 | 77.2143 | 27 | 780.306 | 77.3623 |
| 28 | 751.861 | 48.6059 | 29 | 633.983 | 50.9646 | 30 | 507.91 | 57.5107 |
| 31 | 417.754 | 74.3805 | | | | | | |

teadenol B