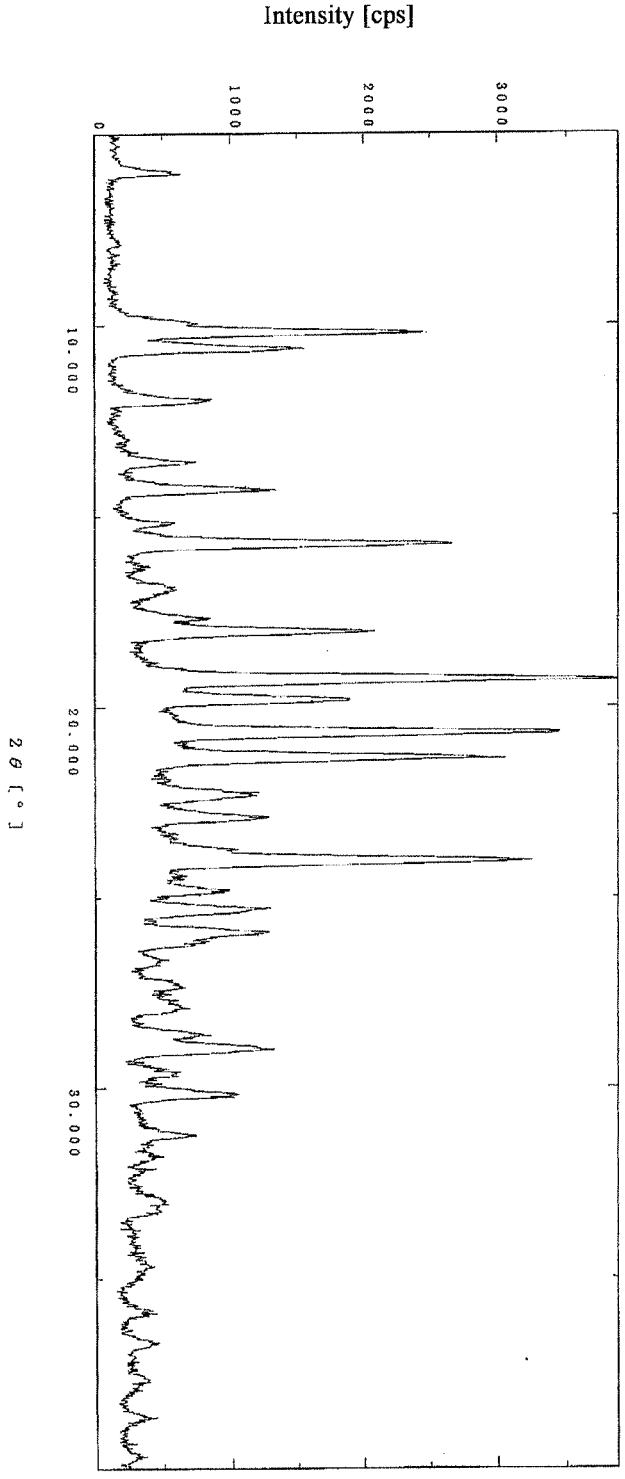
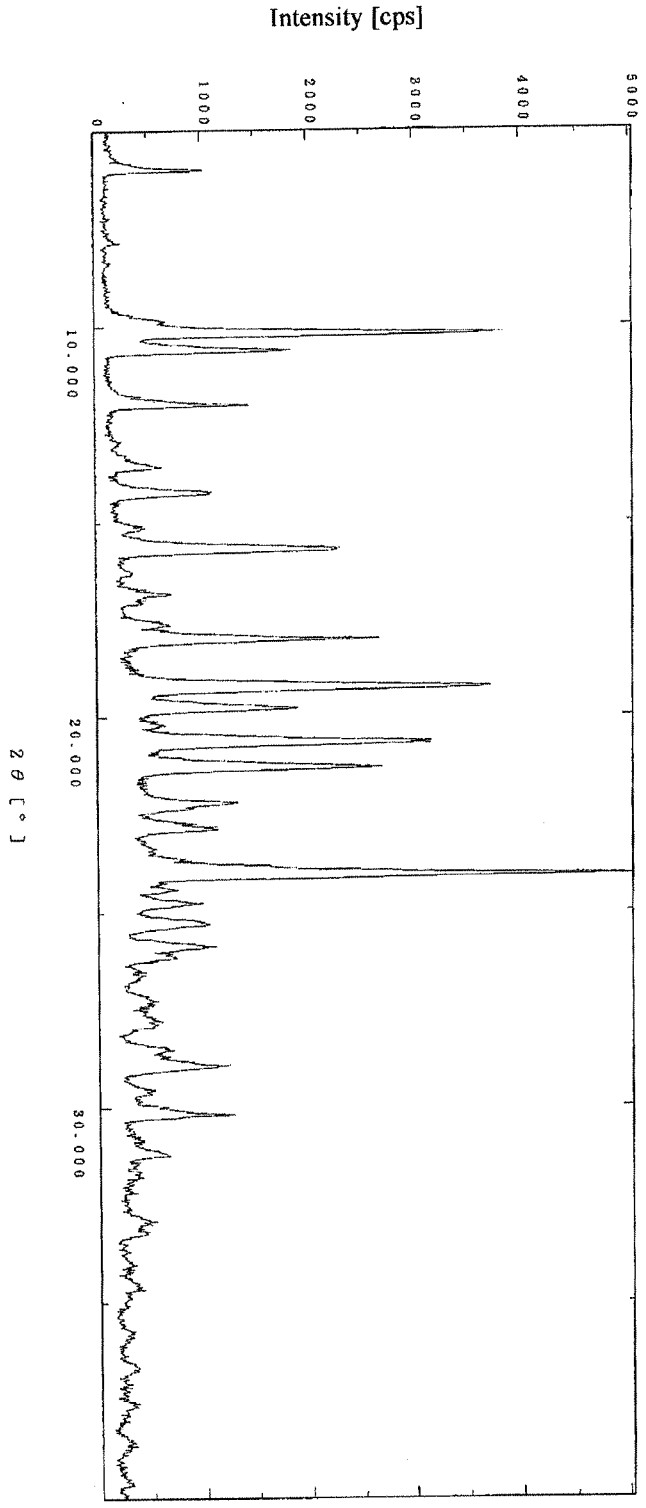
Claims

1. Acetone solvate crystals of trityl olmesartan medoxomil.

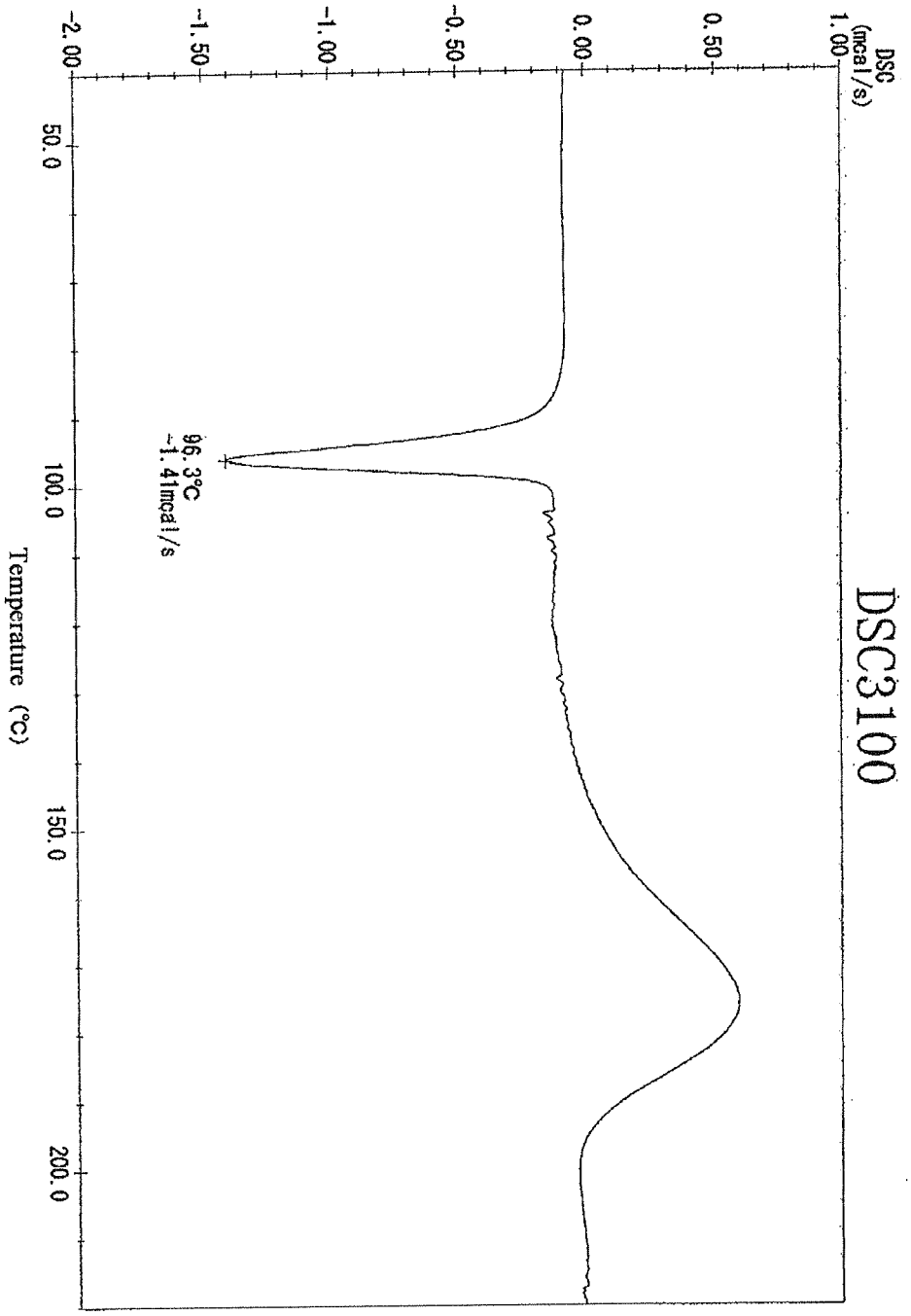
2. The crystals according to claim 1, which exhibit a pattern equivalent to either of the following, in powder X-ray crystal diffraction:

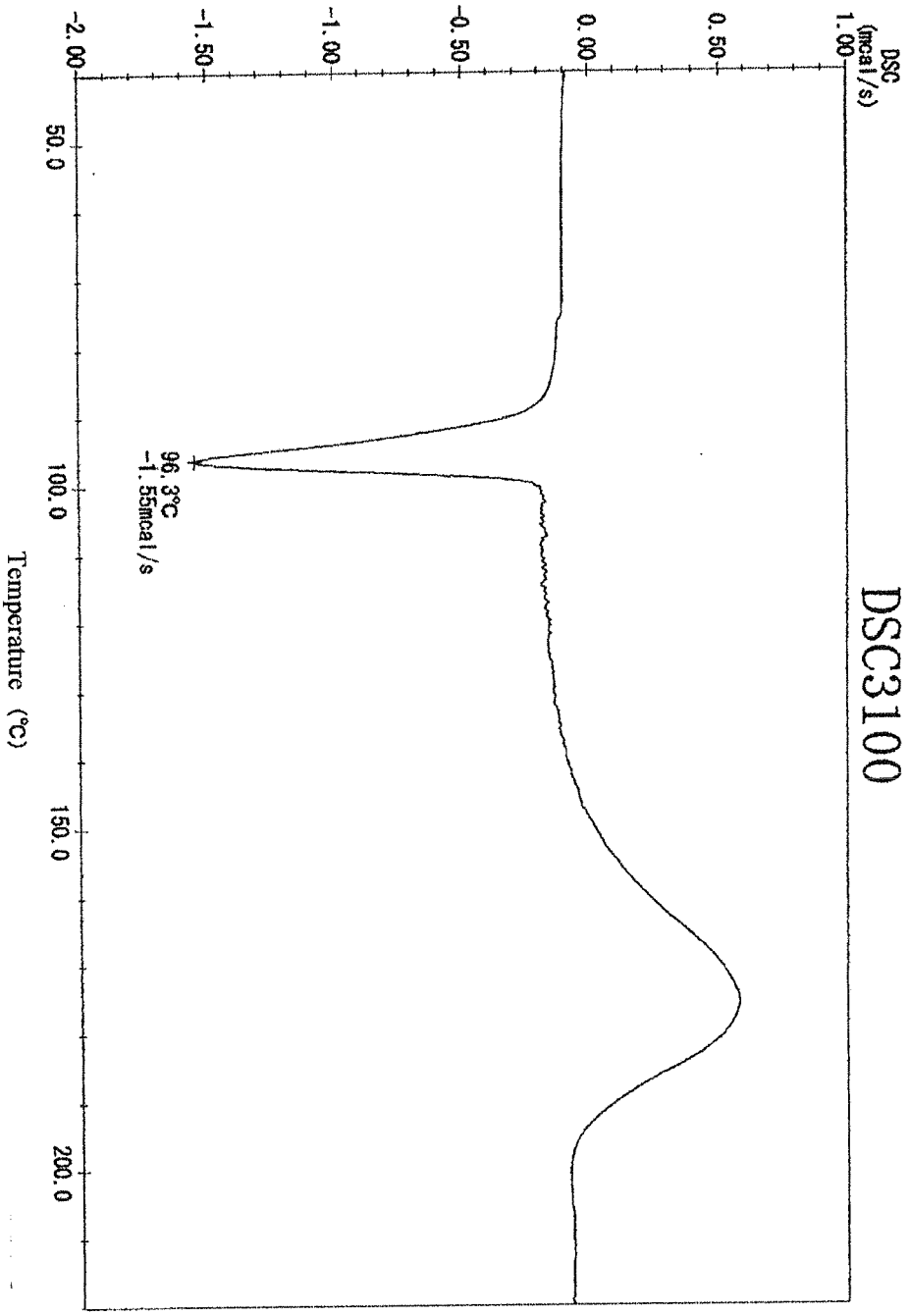




3. The crystals according to claim 1, which exhibit peaks at diffraction angle 2θ of the following, in powder X-ray crystal diffraction: 10.2, 15.7, 19.3, 20.7 and 24.1 degrees with error margin of ±0.2 degree.

43. The crystals according to claim 1 ~~or 2~~, which exhibit a peak at 96.3°C ~~pattern equivalent to either of the following,~~ in differential scanning calorimeter analysis of the crystals:





54. The crystals according to any one of claims 1 to 43, which comprise 1 mol of acetone per 1 mol of trityl olmesartan medoxomil.

65. A method for producing crystals according to any one of claims 1 to 54, which comprises a step of precipitating acetone solvate crystals of trityl olmesartan medoxomil from an acetone containing solution of trityl olmesartan medoxomil.

76. The method according to claim 65, wherein the solvent of the acetone containing solution is acetone optionally containing water.

87. The method according to claim 65, wherein the solvent of the acetone containing solution is acetone containing 20% (w/w) or less of water.

98. The method according to claim 65, wherein the solvent of the acetone containing solution is acetone containing 10% (w/w) or less of water.

109. The method according to claim 65, wherein the solvent of the acetone containing solution is acetone containing 5% (w/w) or less of water.

1110. The method according to claim 65, wherein the solvent of the acetone containing solution is acetone containing 2% (w/w) or less of water.

1211. The method according to claim 65, wherein the solvent of the acetone containing solution is acetone.

1312. The method according to any one of claims 65 to 1211, wherein a seed crystal is added.

1413. A method for producing crystals according to any one of claims 1 to 54, which comprises the following steps:

(step 1) a step of tritylation and DMDO esterification of olmesartan in an acetone solvent optionally containing water; and

(step 2) a step of precipitating acetone solvate crystals of trityl olmesartan medoxomil from the reaction mixture obtained in step 1.

1514. The method according to claim 1413, wherein the water content in the acetone solvent during crystal precipitation is 20% (w/w) or less.

1615. The method according to claim 1413, wherein the water content in the acetone solvent during crystal precipitation is 10% (w/w) or less.

1716. The method according to claim 1413, wherein the water content in the acetone solvent during crystal precipitation is 5% (w/w) or less.

1817. The method according to claim 1413, wherein the water content in the acetone solvent during crystal precipitation is 2% (w/w) or less.

1918. The method according to any one of claims 1413 to 1817, wherein acetone solvate crystals of trityl olmesartan medoxomil are precipitated by cooling the reaction mixture obtained in step 1 at 0°C to 25°C.

2019. The method according to any one of claims 1413 to 1817, wherein acetone solvate crystals of trityl olmesartan medoxomil are precipitated by cooling the reaction mixture obtained in step 1 at 15°C to 25°C.

2120. The method according to any one of claims 1413 to 2019, wherein a seed crystal is added.

2221. A method for producing olmesartan medoxomil, which comprises a step of removing the trityl group in crystals according to any one of claims 1 to 54.

2322. The method according to claim 2221, which comprises the step described in claim 65.

2423. The method according to claim 2221, which comprises step 1 and step 2 described in claim 1413.