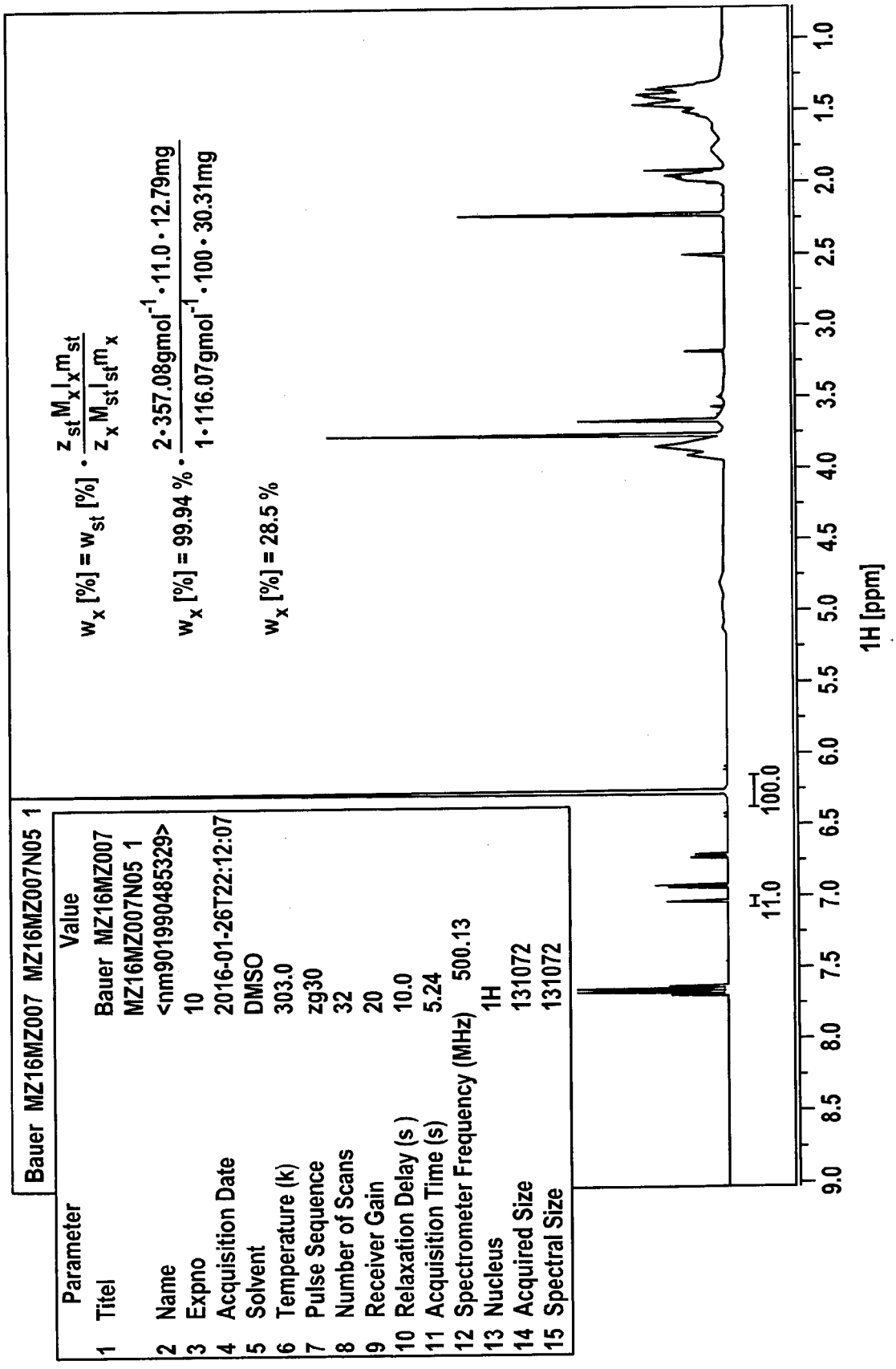
Fig. 1


Bauer MZ16MZ007 MZ16MZ007N05 1
Parameter Value
1 Titel Bauer MZ16MZ007 MZ16MZ007N05 1
2 Name <nm901990485329>
3 Expno 10
4 Acquisition Date 2016-01-26T22:12:07
5 Solvent DMSO
6 Temperature (k) 303.0
7 Pulse Sequence zg30
8 Number of Scans 32
9 Receiver Gain 20
10 Relaxation Delay (s) 10.0
11 Acquisition Time (s) 5.24
12 Spectrometer Frequency (MHz) 500.13
13 Nucleus 1H
14 Acquired Size 131072
15 Spectral Size 131072
$w_x[\%] = w_{st}[\%] \cdot \frac{z_{st} M_x m_{st}}{z_x M_{st} m_x}$
$w_x[\%] = 99.94\,\% \cdot \frac{2 \cdot 357.08 gmol^{-1} \cdot 11.0 \cdot 12.79mg}{1 \cdot 116.07 gmol^{-1} \cdot 100 \cdot 30.31mg}$
$w_x[\%] = 28.5\,\%$
11.0
100.0
9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0
1H [ppm]

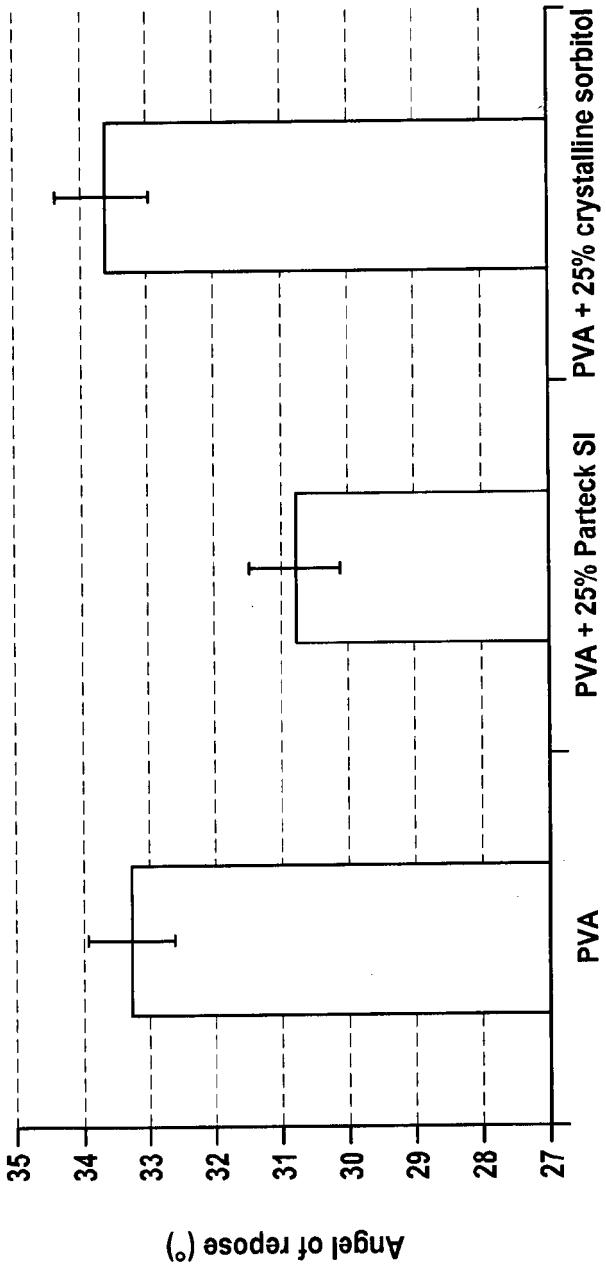

Angel of repose (°)
35
34
33
32
31
30
29
28
27
PVA
PVA + 25% Parteck SI
PVA + 25% crystalline sorbitol

Fig. 2

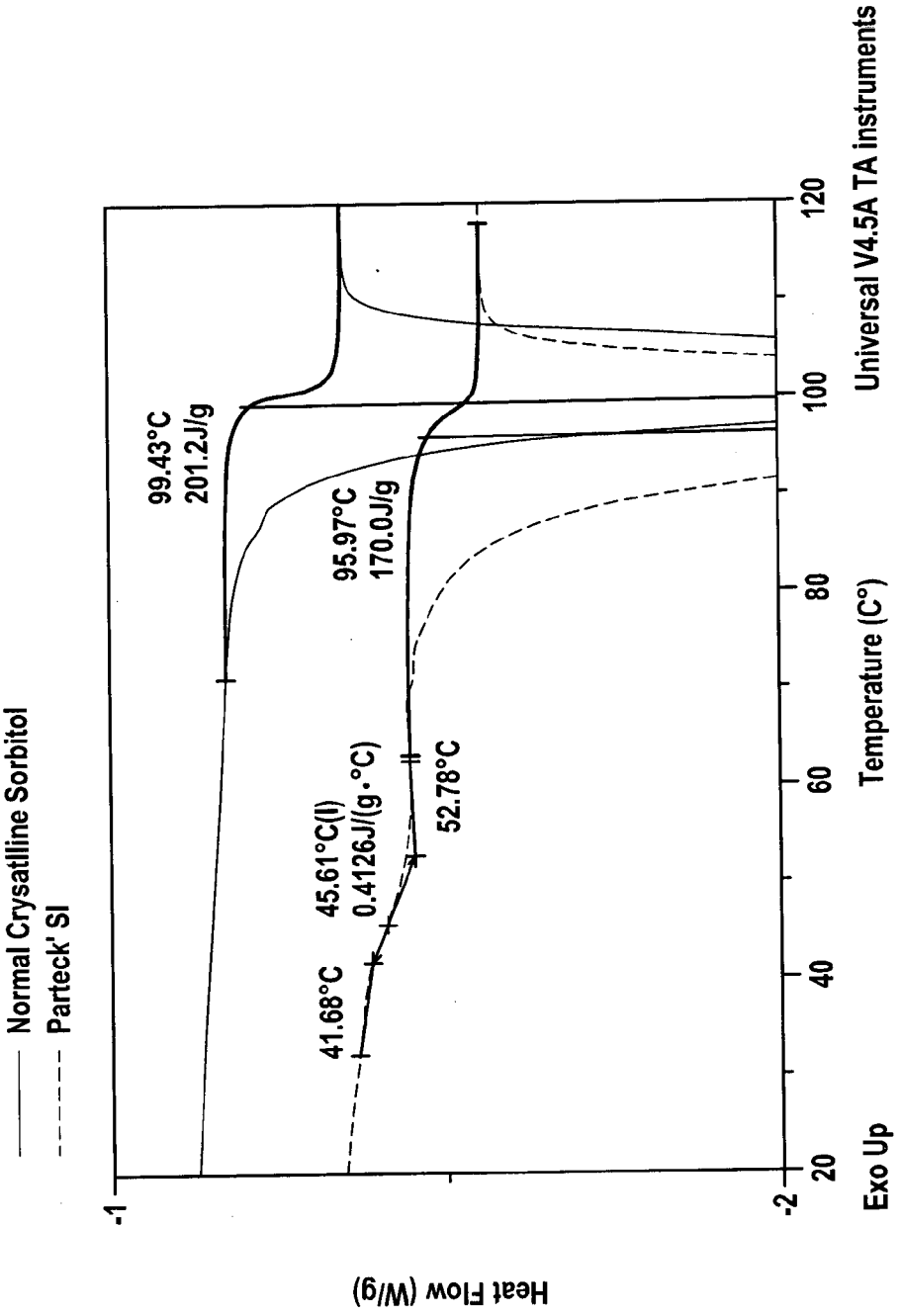
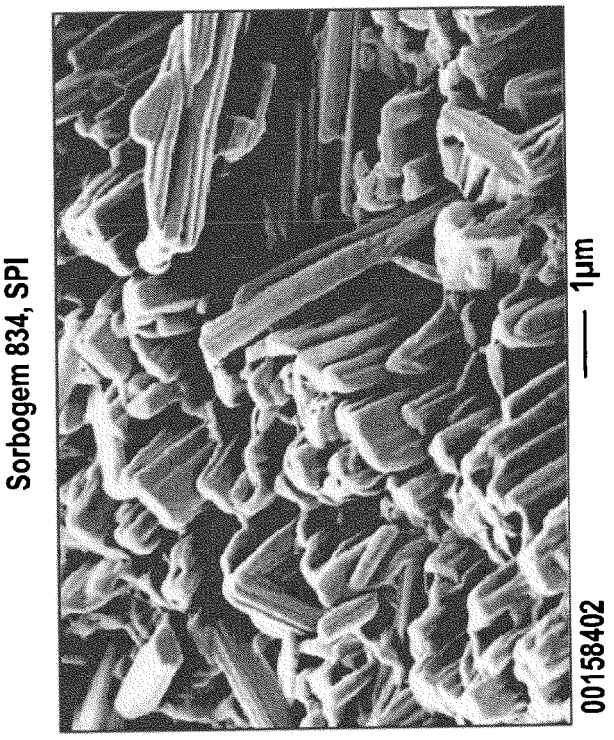

Normal Crysatlline Sorbitol
Parteck' SI
99.43°C
201.2J/g
95.97°C
170.0J/g
45.61°C(I)
0.4126J/(g·°C)
41.68°C
52.78°C
Universal V4.5A TA instruments
Temperature (C°)
Exo Up
Heat Flow (W/g)
120
100
80
60
40
20
-1
-2

Fig. 3


Sorbogem 834, SPI
1µm
00158402

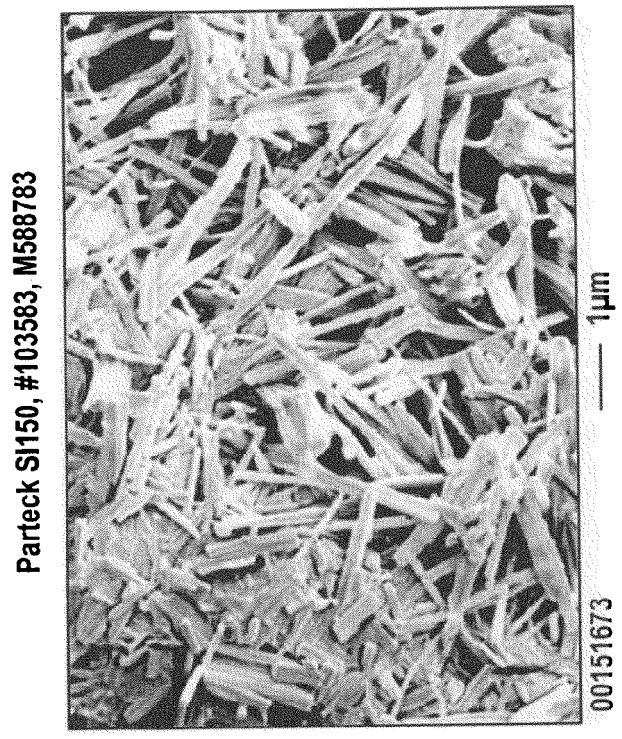

Parteck SI150, #103583, M588783
1µm
00151673

Fig. 4

Fig. 5

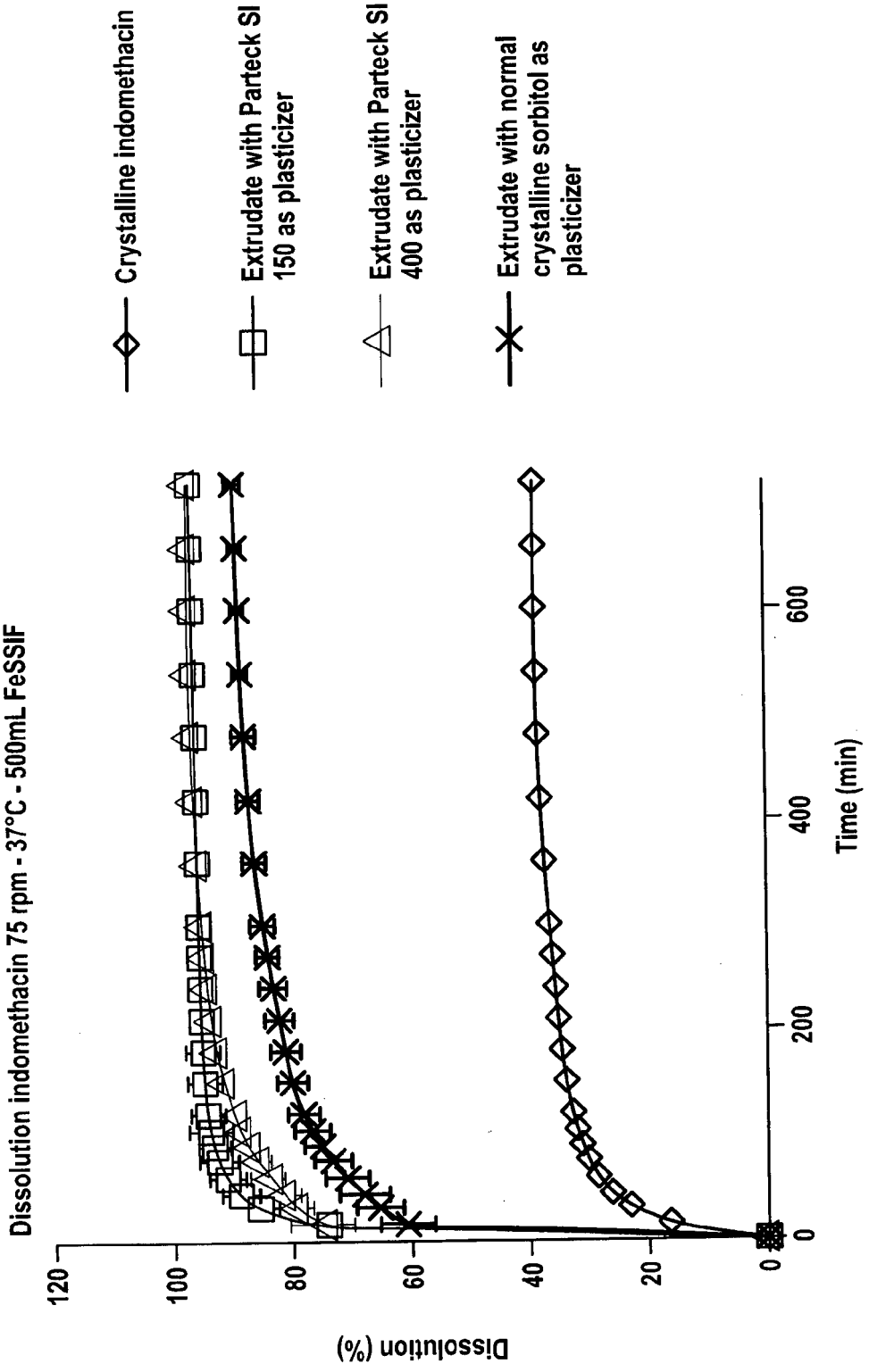

Crystalline indomethacin
Extrudate with Parteck SI 150 as plasticizer
Extrudate with Parteck SI 400 as plasticizer
Extrudate with normal crystalline sorbitol as plasticizer
Dissolution indomethacin 75 rpm - 37°C - 500mL FeSSIF
Dissolution (%)
Time (min)
0
20
40
60
80
100
120
0
200
400
600

Fig. 6

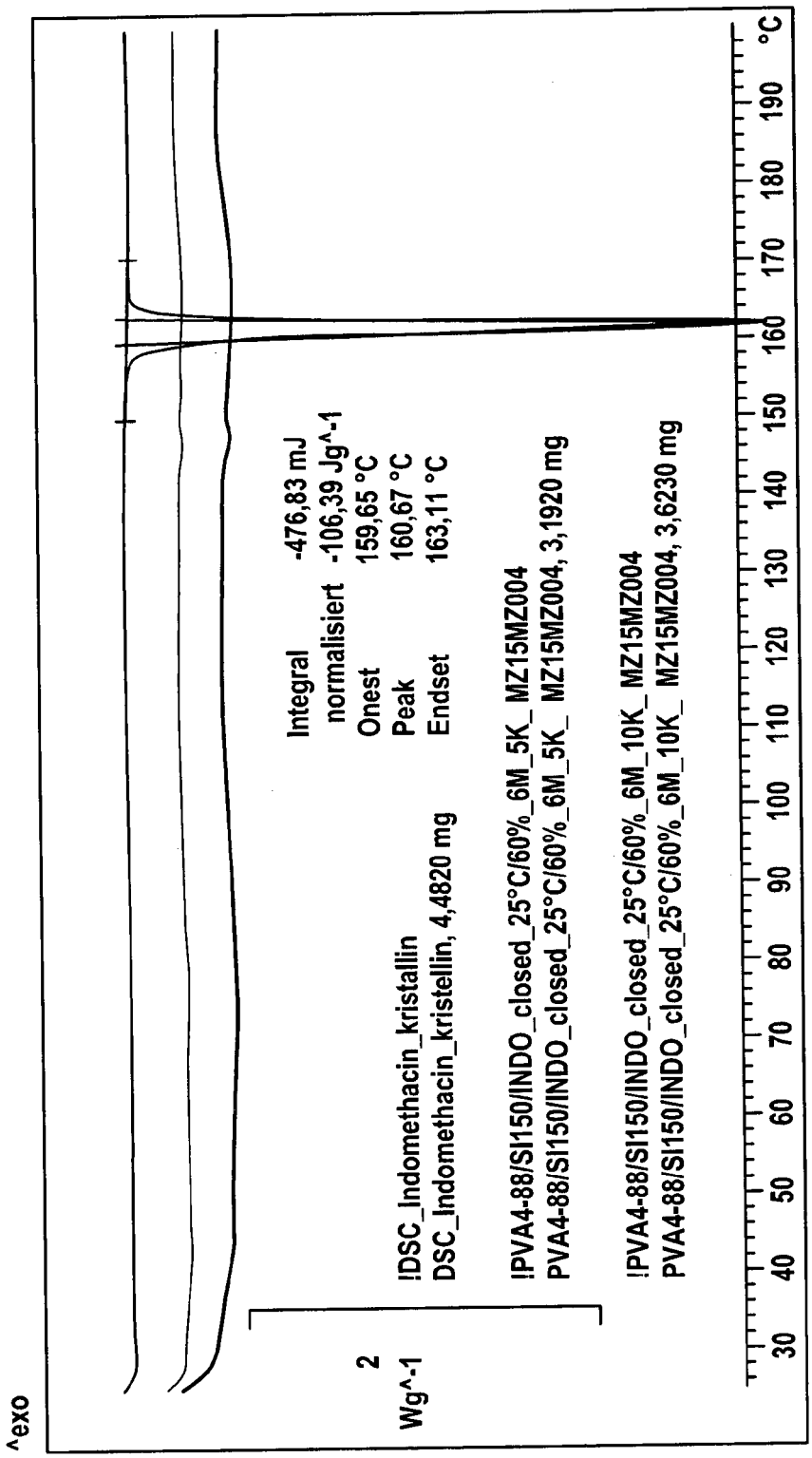
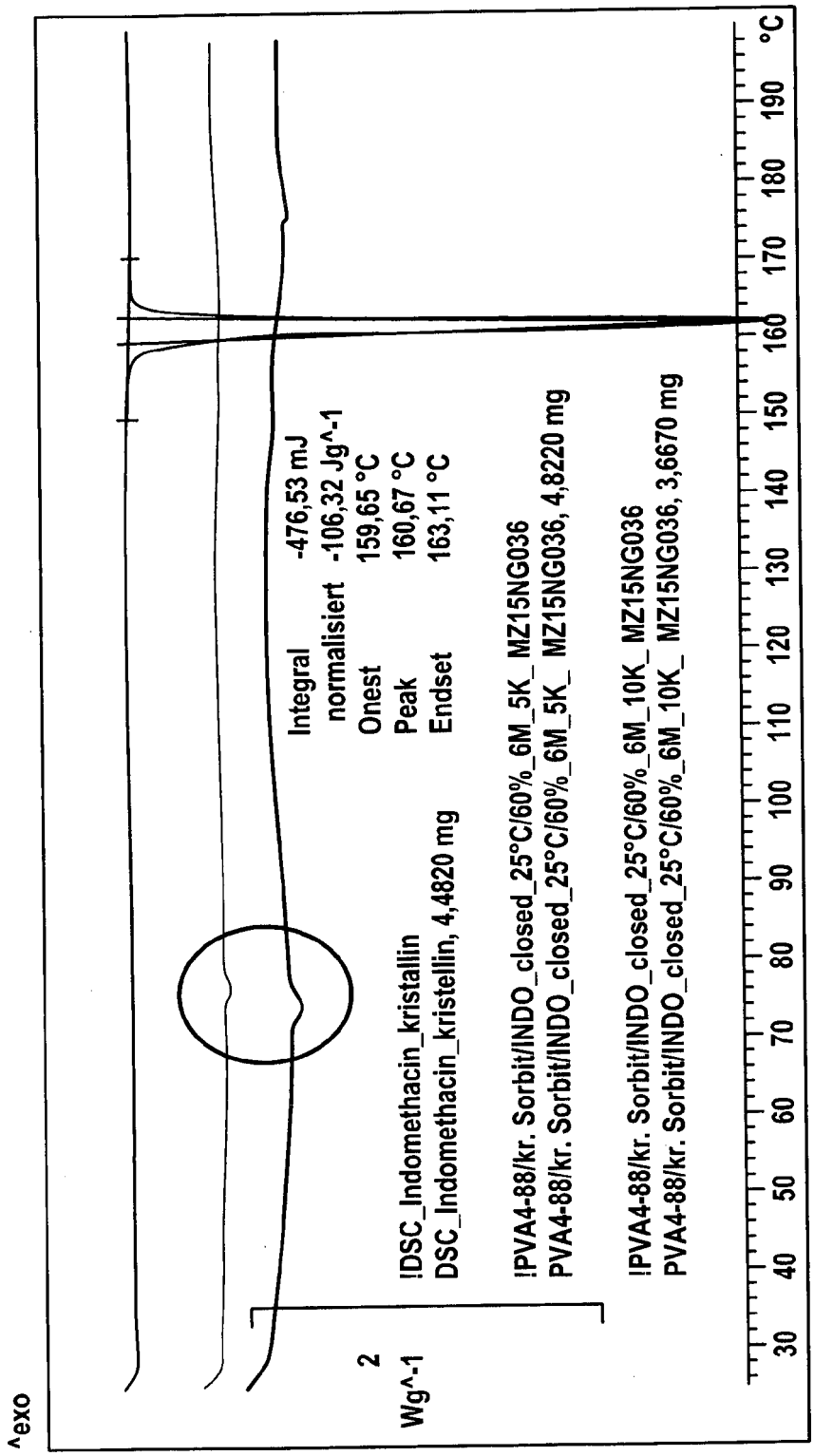

^exo
2
Wg^-1
Integral -476,83 mJ
normalisiert -106,39 Jg^-1
Onest 159,65 °C
Peak 160,67 °C
Endset 163,11 °C
!DSC_Indomethacin_kristallin
DSC_Indomethacin_kristellin, 4,4820 mg
!PVA4-88/SI150/INDO_closed_25°C/60%_6M_5K_ MZ15MZ004
PVA4-88/SI150/INDO_closed_25°C/60%_6M_5K_ MZ15MZ004, 3,1920 mg
!PVA4-88/SI150/INDO_closed_25°C/60%_6M_10K_ MZ15MZ004
PVA4-88/SI150/INDO_closed_25°C/60%_6M_10K_ MZ15MZ004, 3,6230 mg
30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 °C

Fig. 7


^exo
2
Wg^-1
!DSC_Indomethacin_kristallin
DSC_Indomethacin_kristellin, 4,4820 mg
Integral -476,53 mJ
normalisiert -106,32 Jg^-1
Onest 159,65 °C
Peak 160,67 °C
Endset 163,11 °C
!PVA4-88/kr. Sorbit/INDO_closed_25°C/60%_6M_5K_ MZ15NG036
PVA4-88/kr. Sorbit/INDO_closed_25°C/60%_6M_5K_ MZ15NG036, 4,8220 mg
!PVA4-88/kr. Sorbit/INDO_closed_25°C/60%_6M_10K_ MZ15NG036
PVA4-88/kr. Sorbit/INDO_closed_25°C/60%_6M_10K_ MZ15NG036, 3,6670 mg
30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 °C