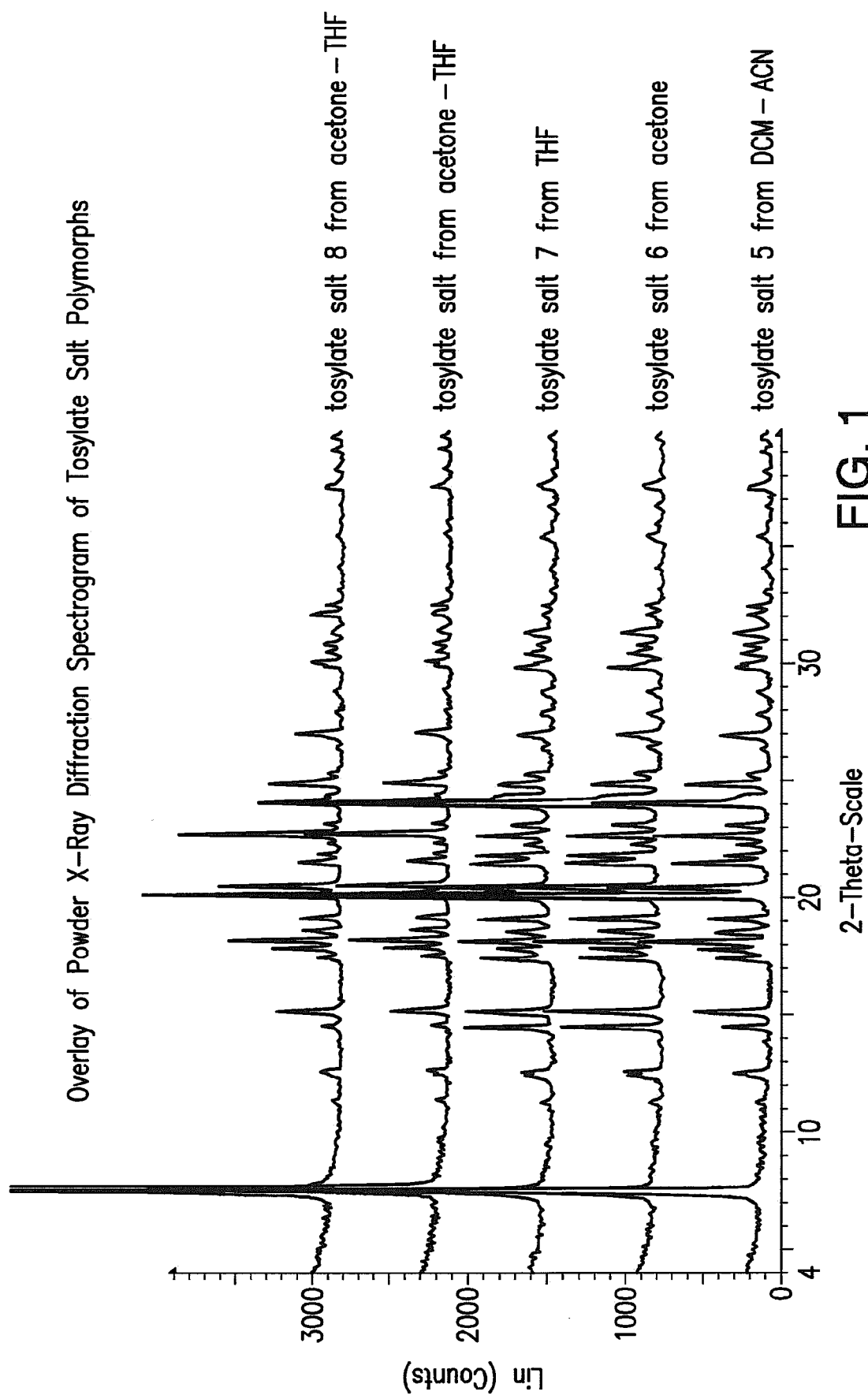
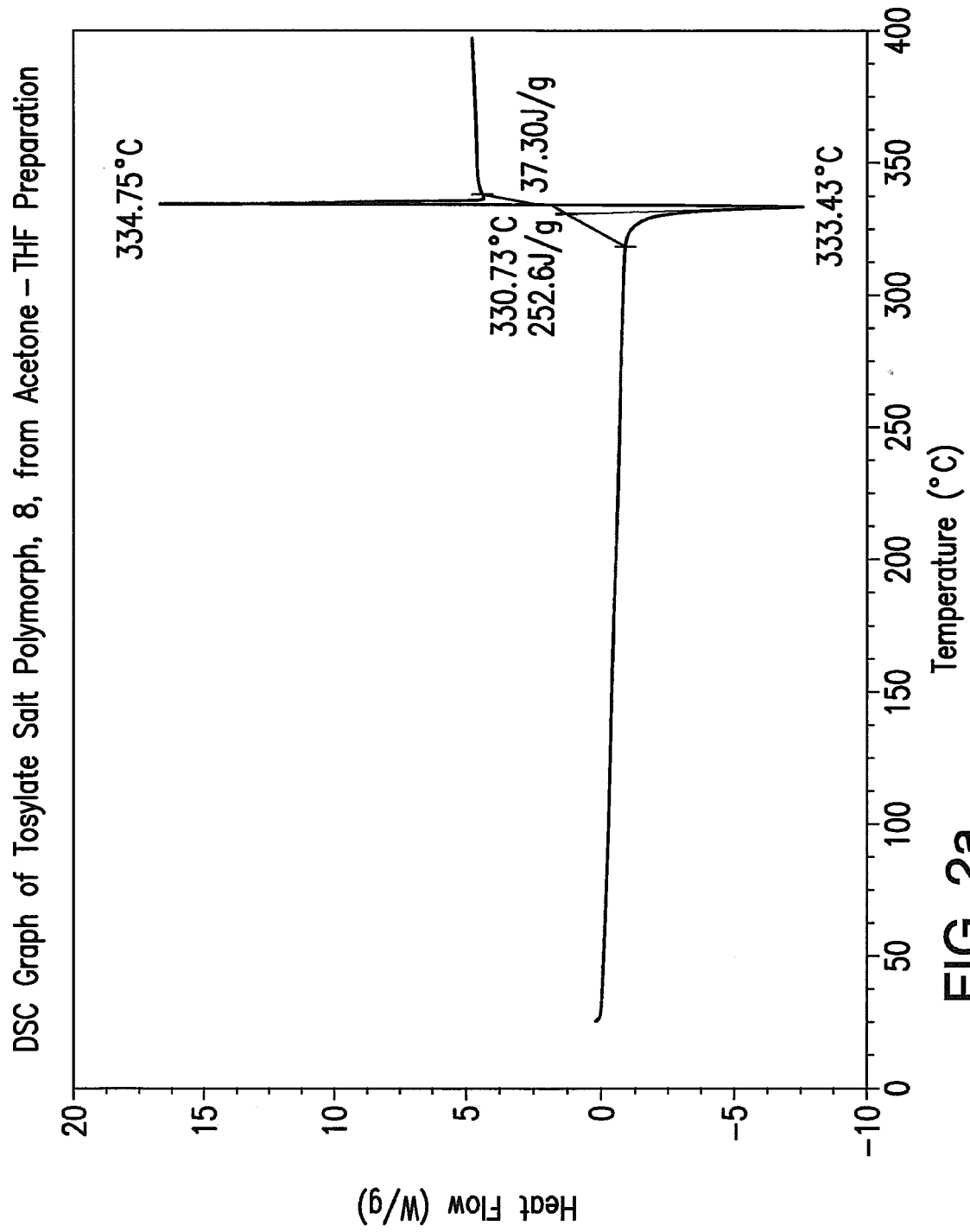






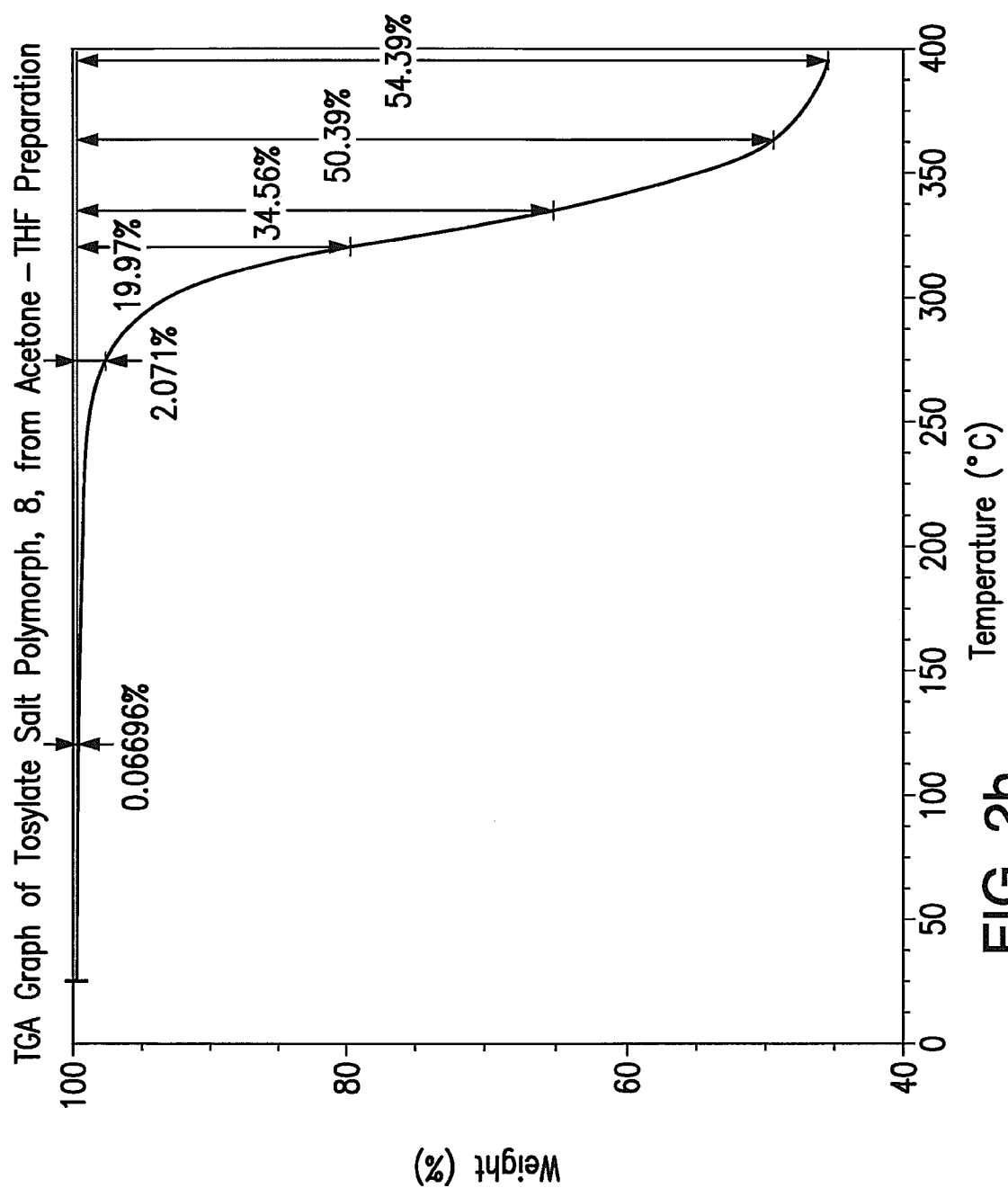


FIG. 2b

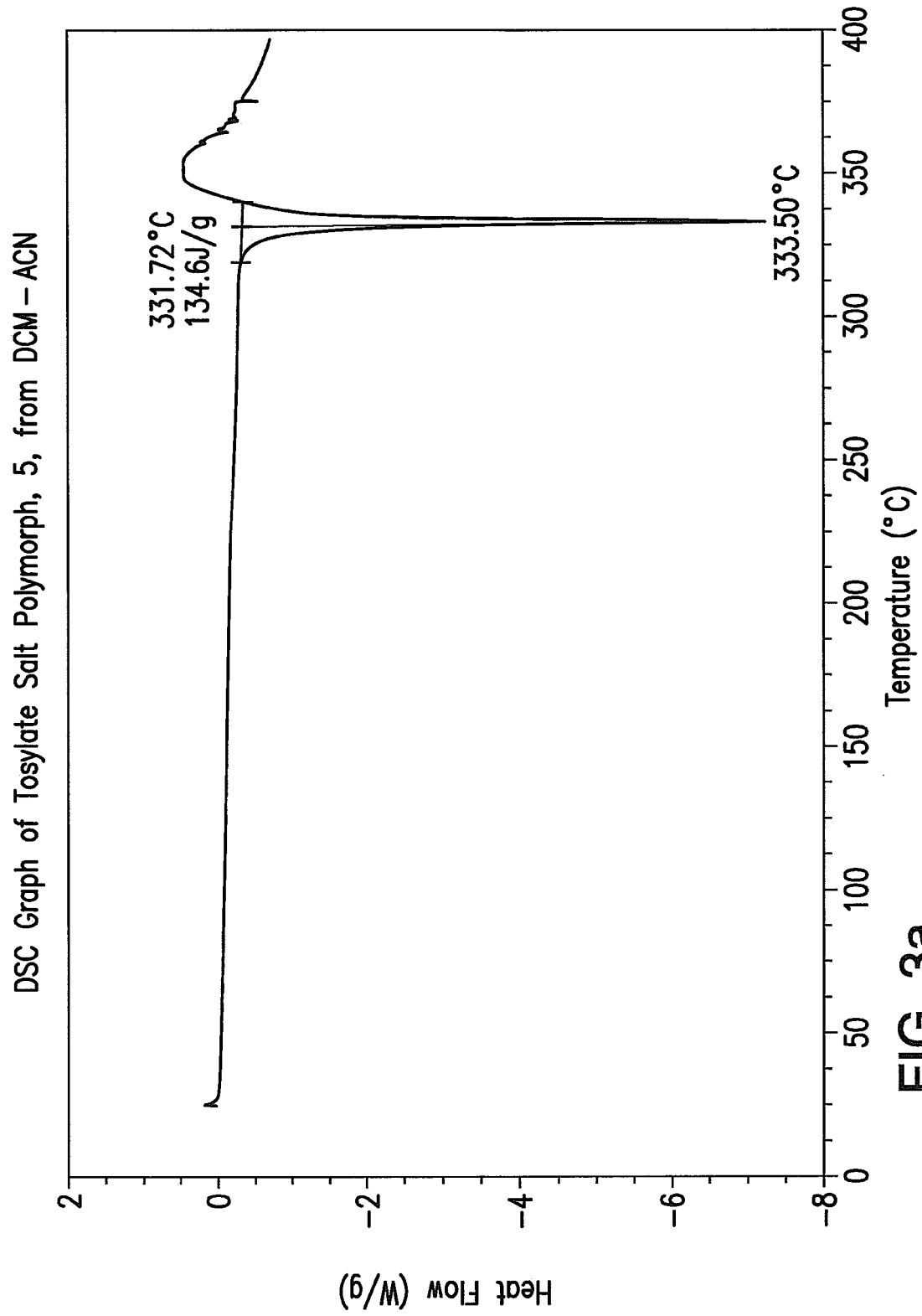


FIG. 3a

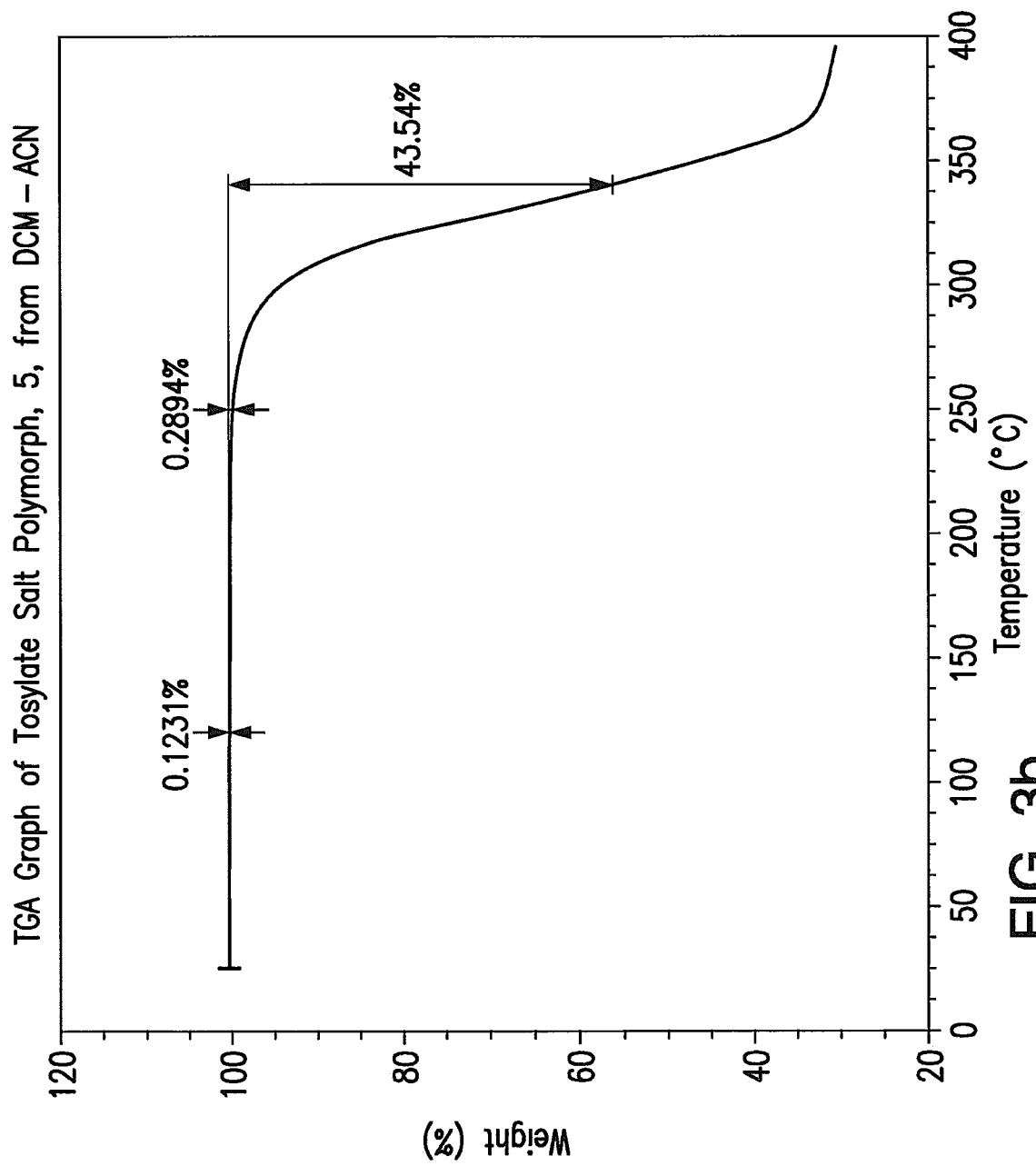


FIG. 3b

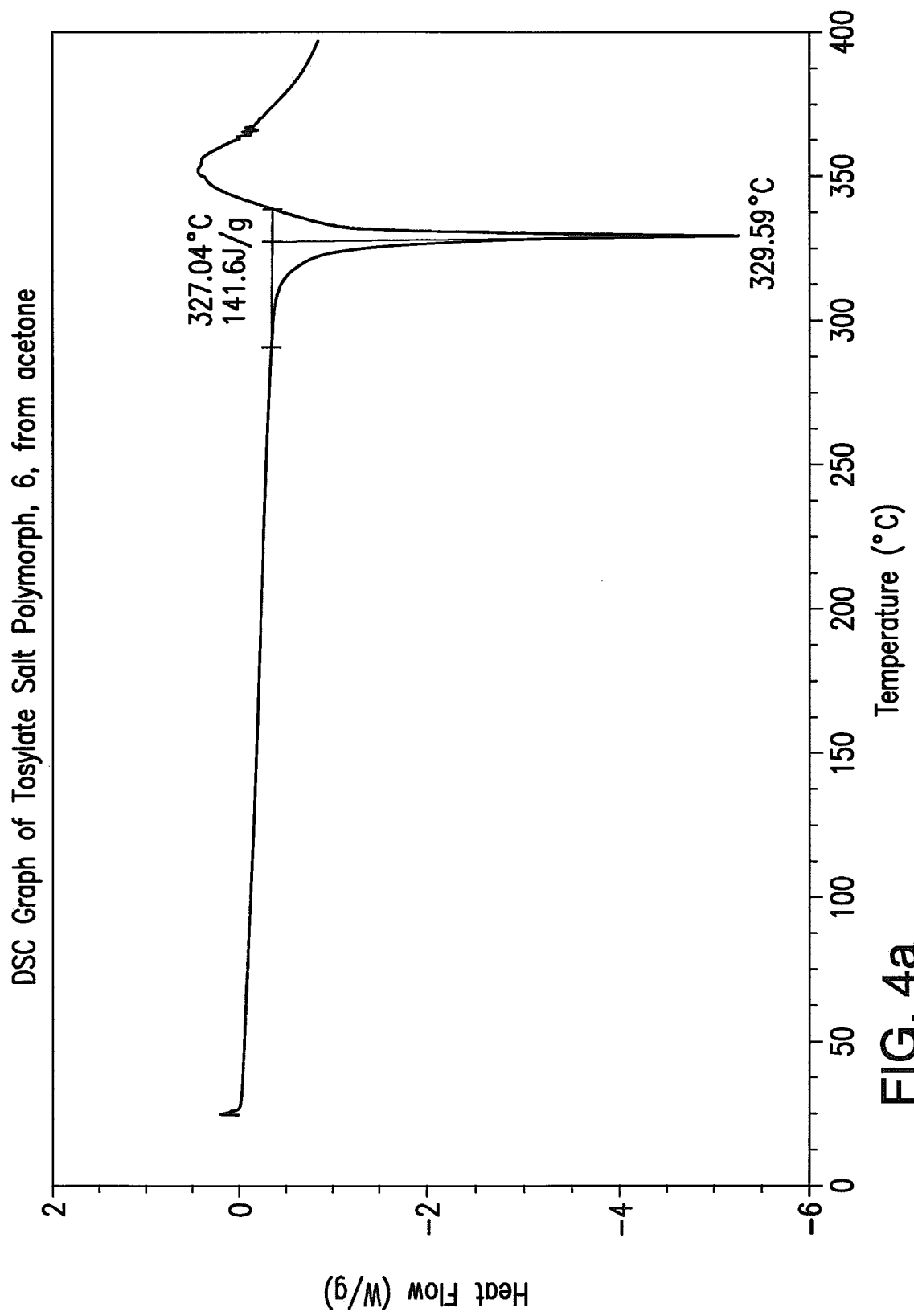


FIG. 4a

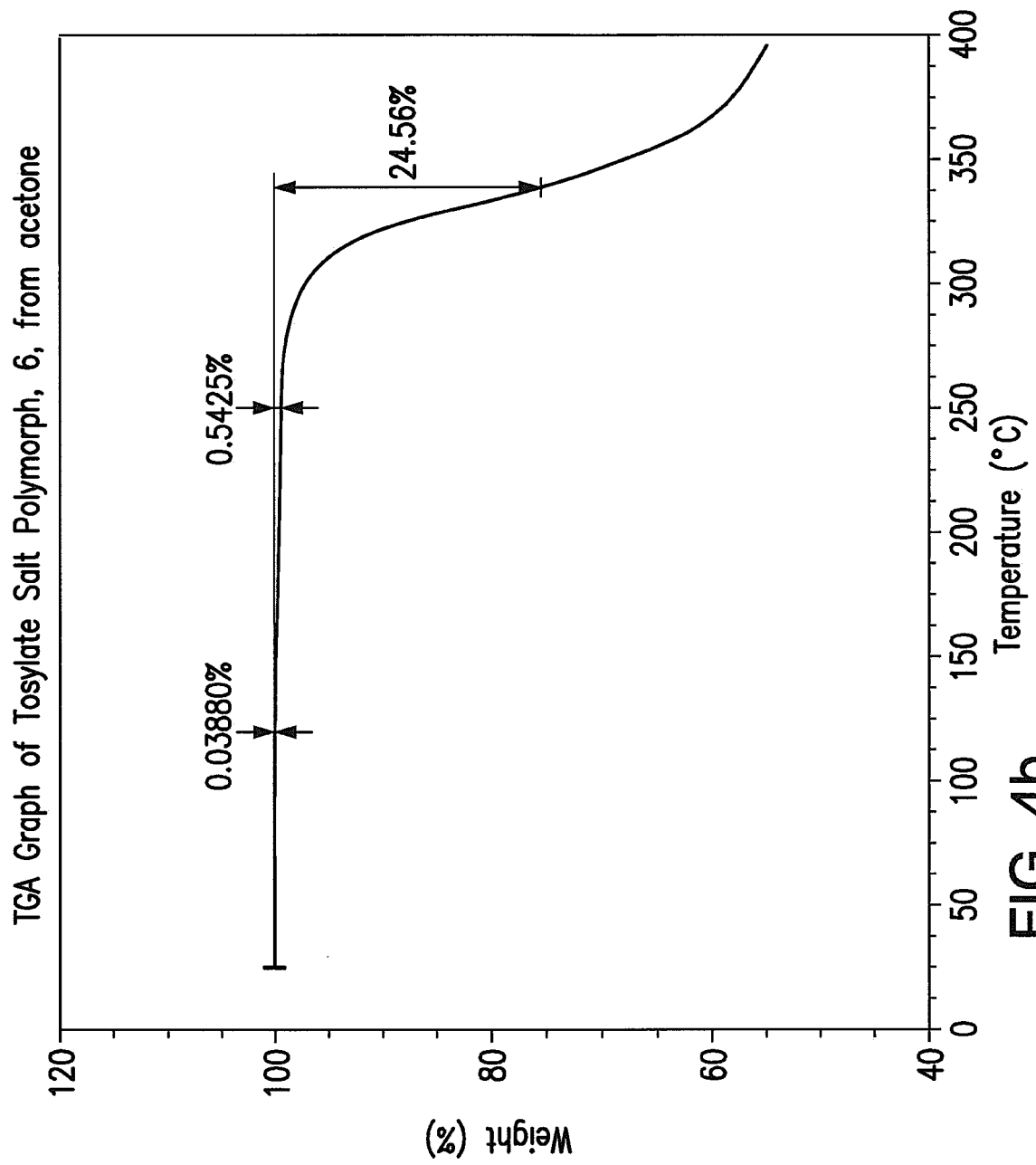


FIG. 4b

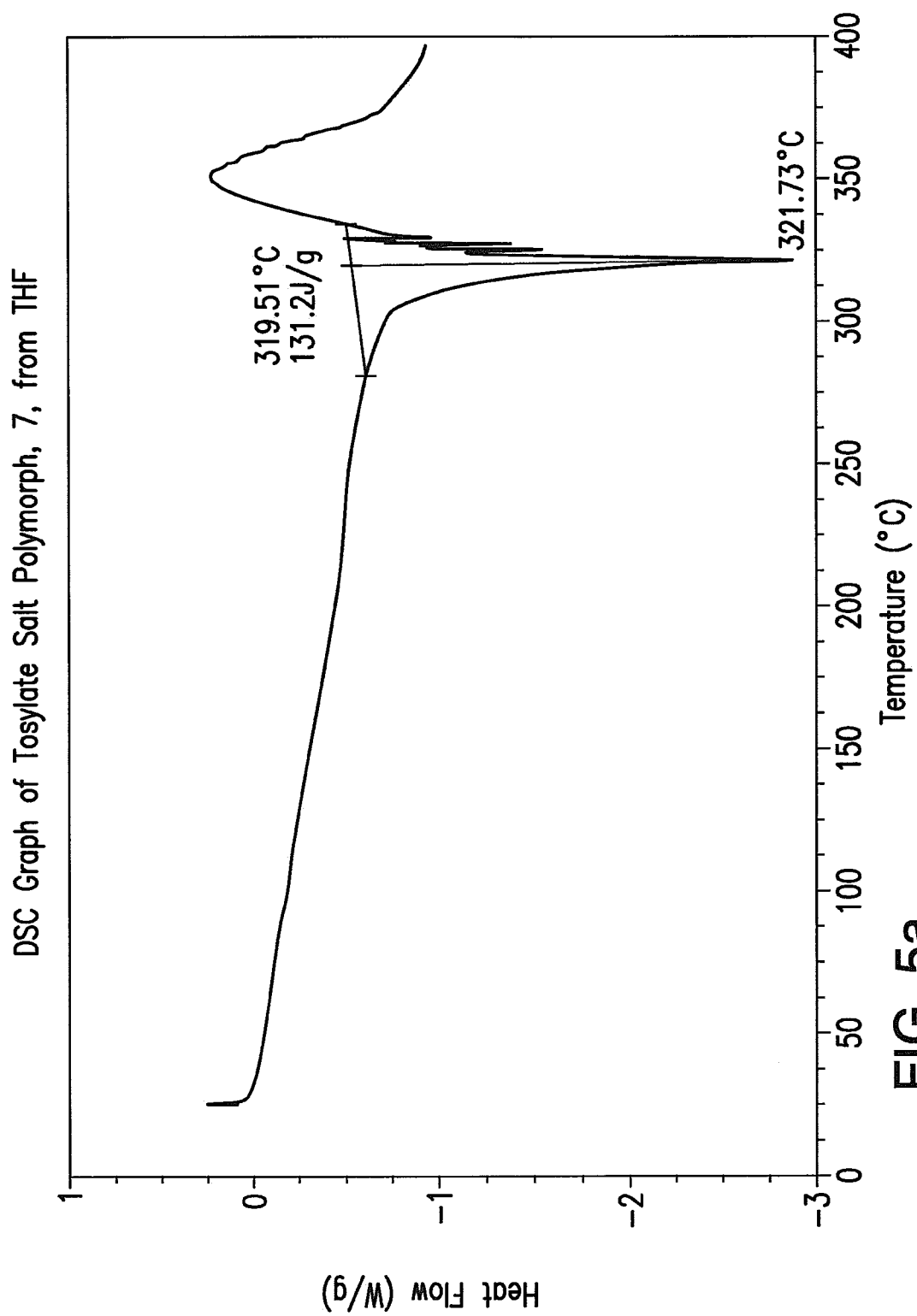


FIG. 5a

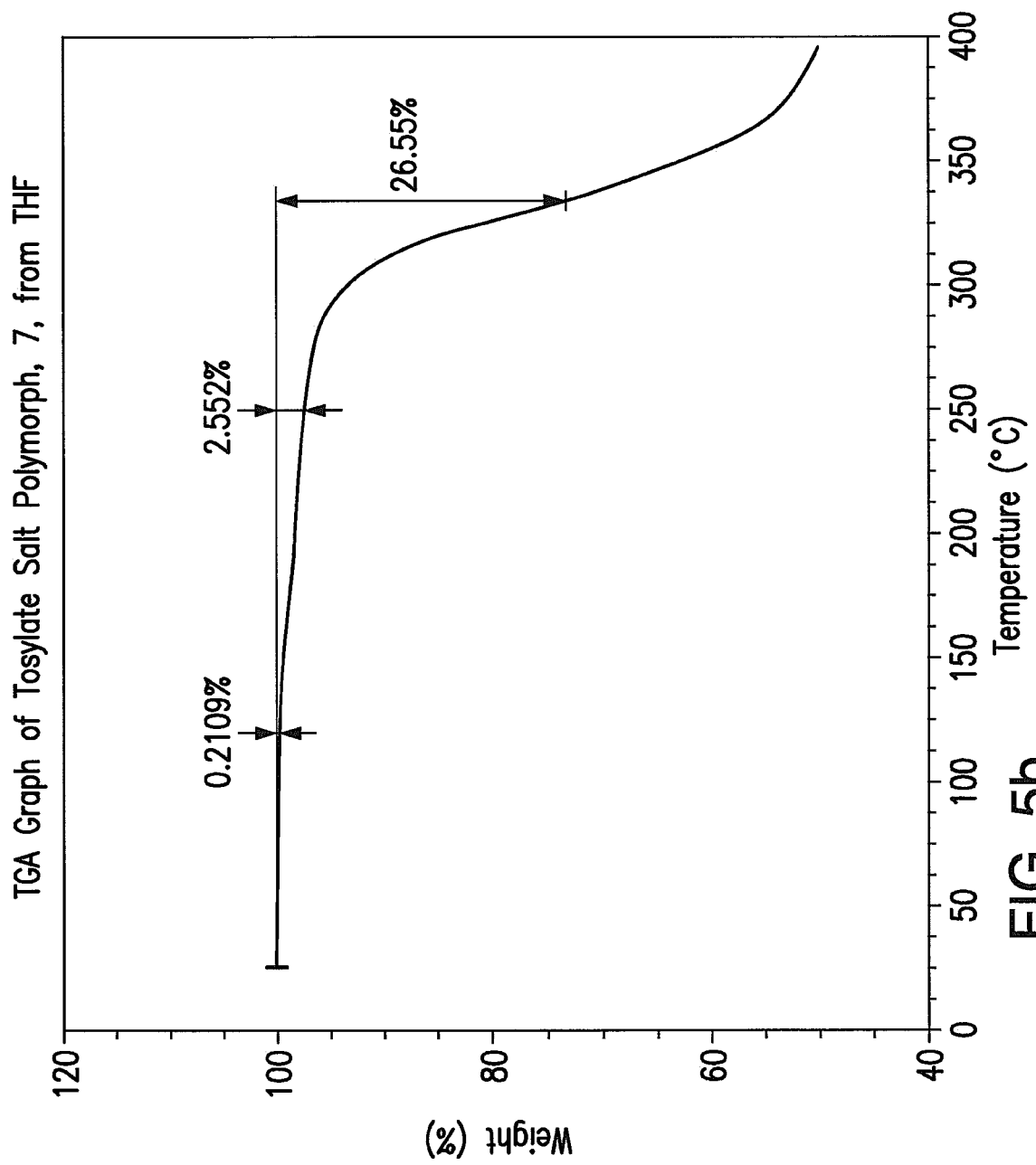


FIG. 5b

Powder X-Ray Diffraction Spectrogram of Tosylate Salt Polymorph

Panalytical X-Pert MPD PW3040 Pro

X-ray Tube: Cu(1.54059 Å) Voltage: 45 kV Amperage: 40mA Scan Range: 1.00 – 39.99 °2θ Step Size: 0.017 °2θ
Collection Time: 1939 s Scan Speed: 1.2°/min Slit DS: 1/2° SS: null Revolution Time: 1.0 s Mode: Transmission

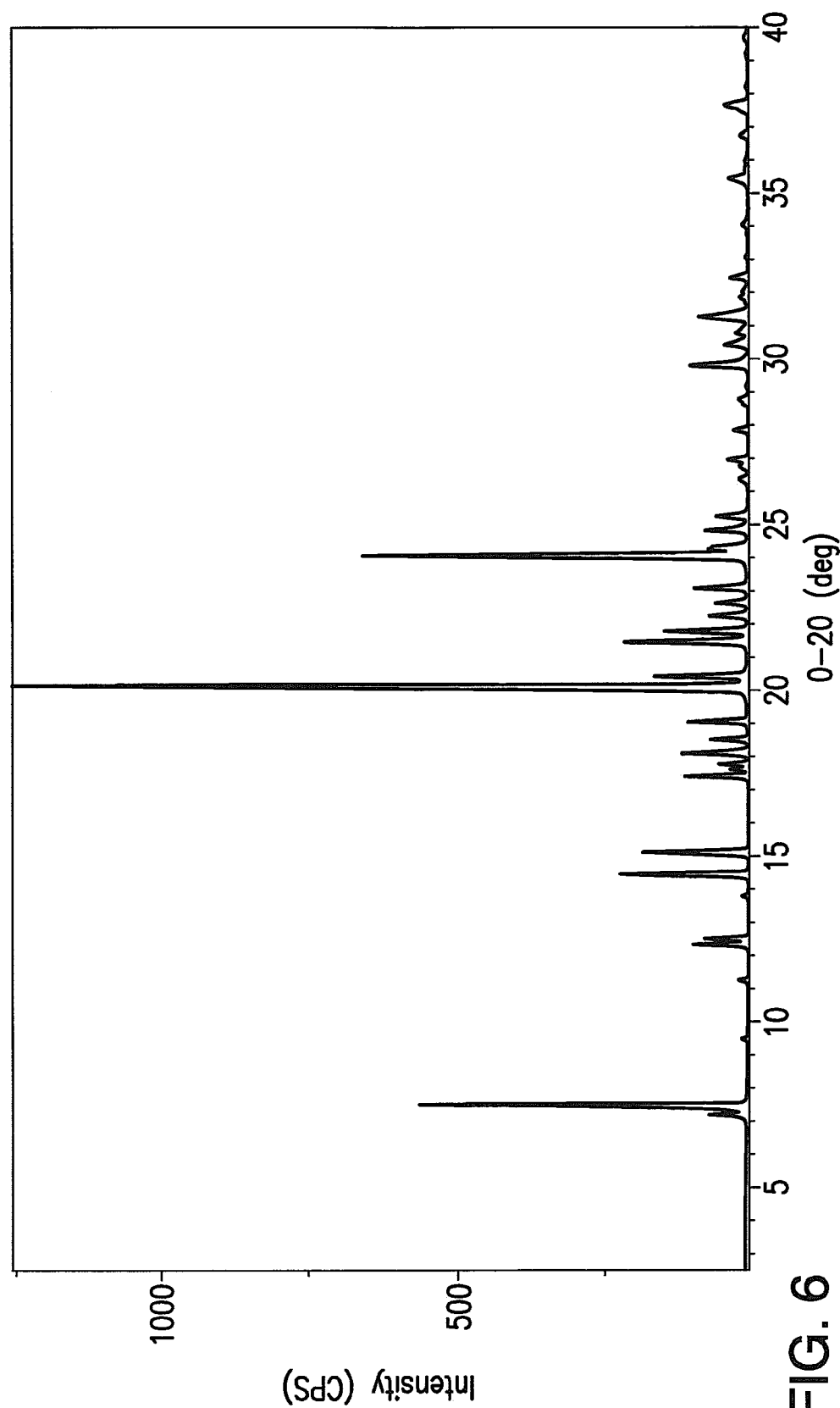


FIG. 6

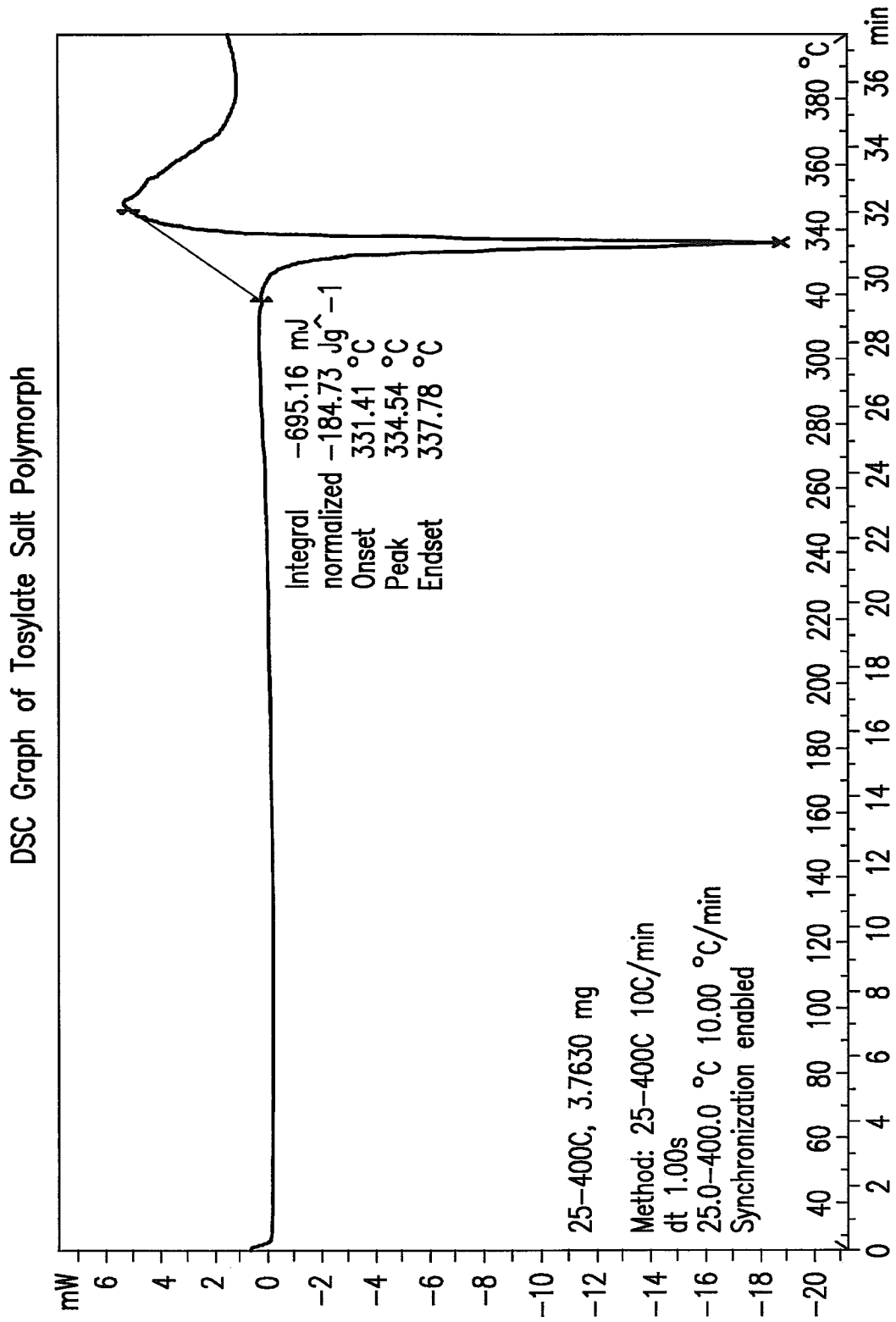


FIG. 7a

TGA Graph of Tosylate Salt Polymorph

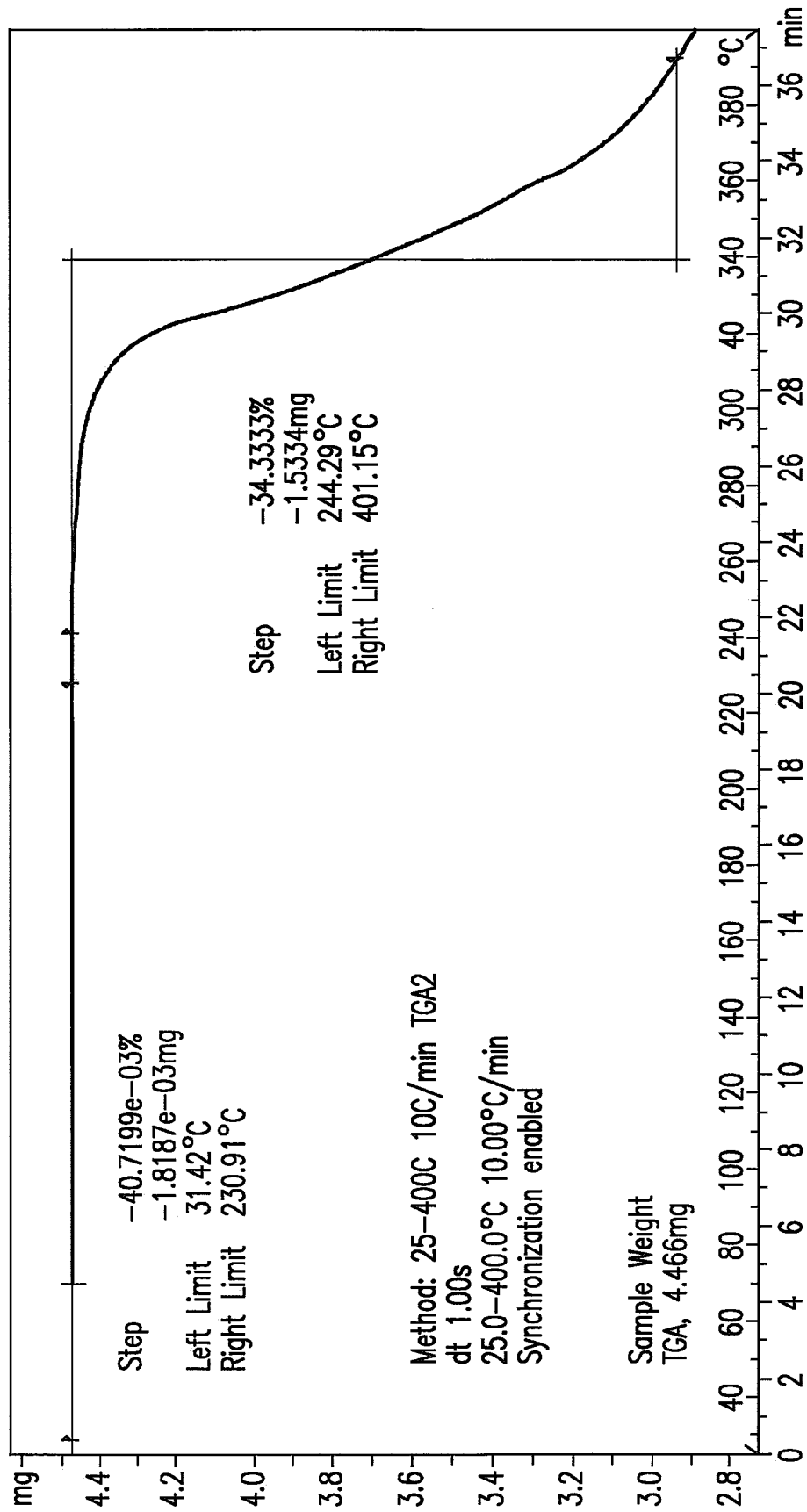


FIG. 7b

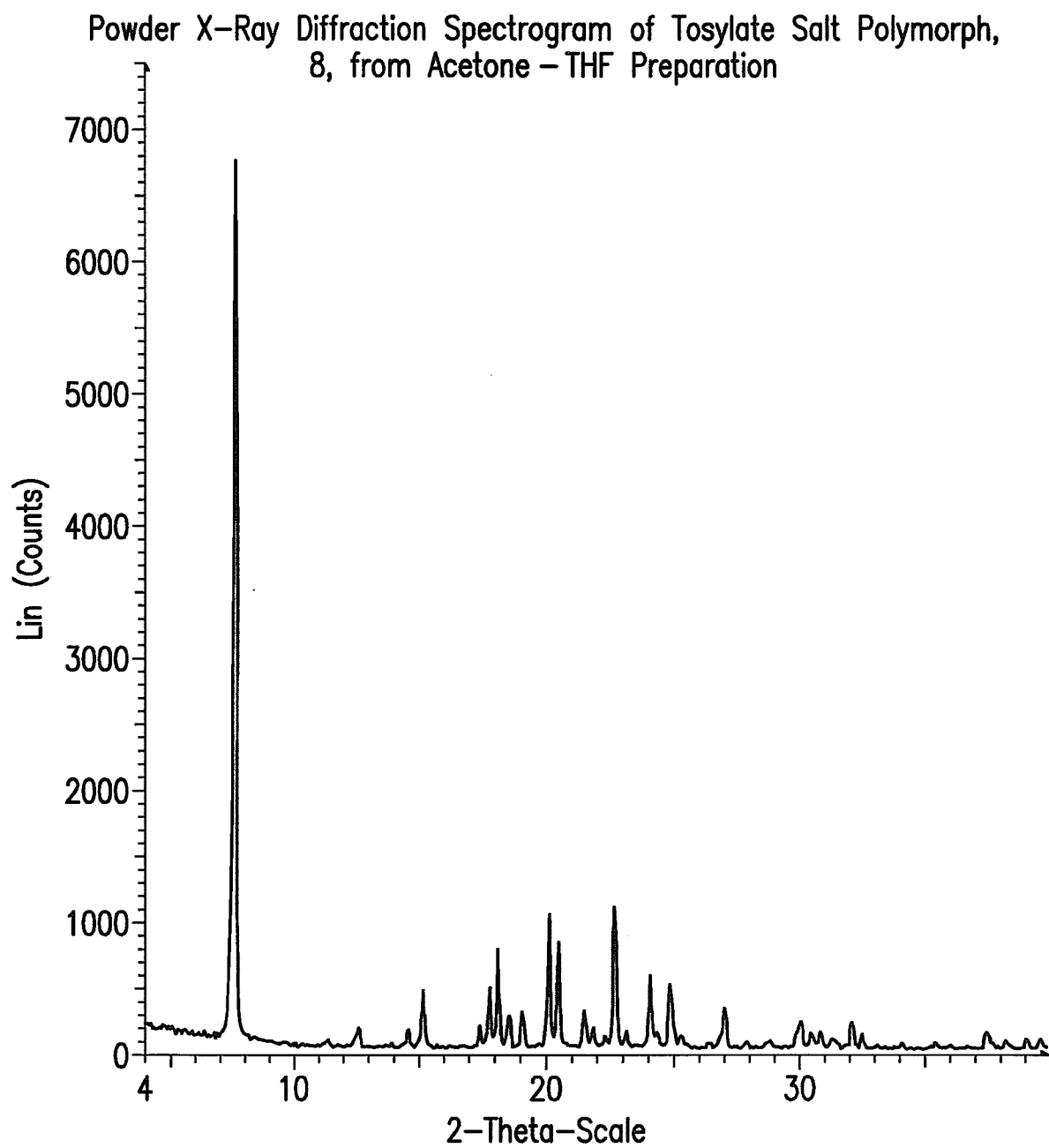


FIG. 8

DVS of Tosylate Salt Polymorph, 8, from Acetone – THF Preparation

DVS Isotherm Plot

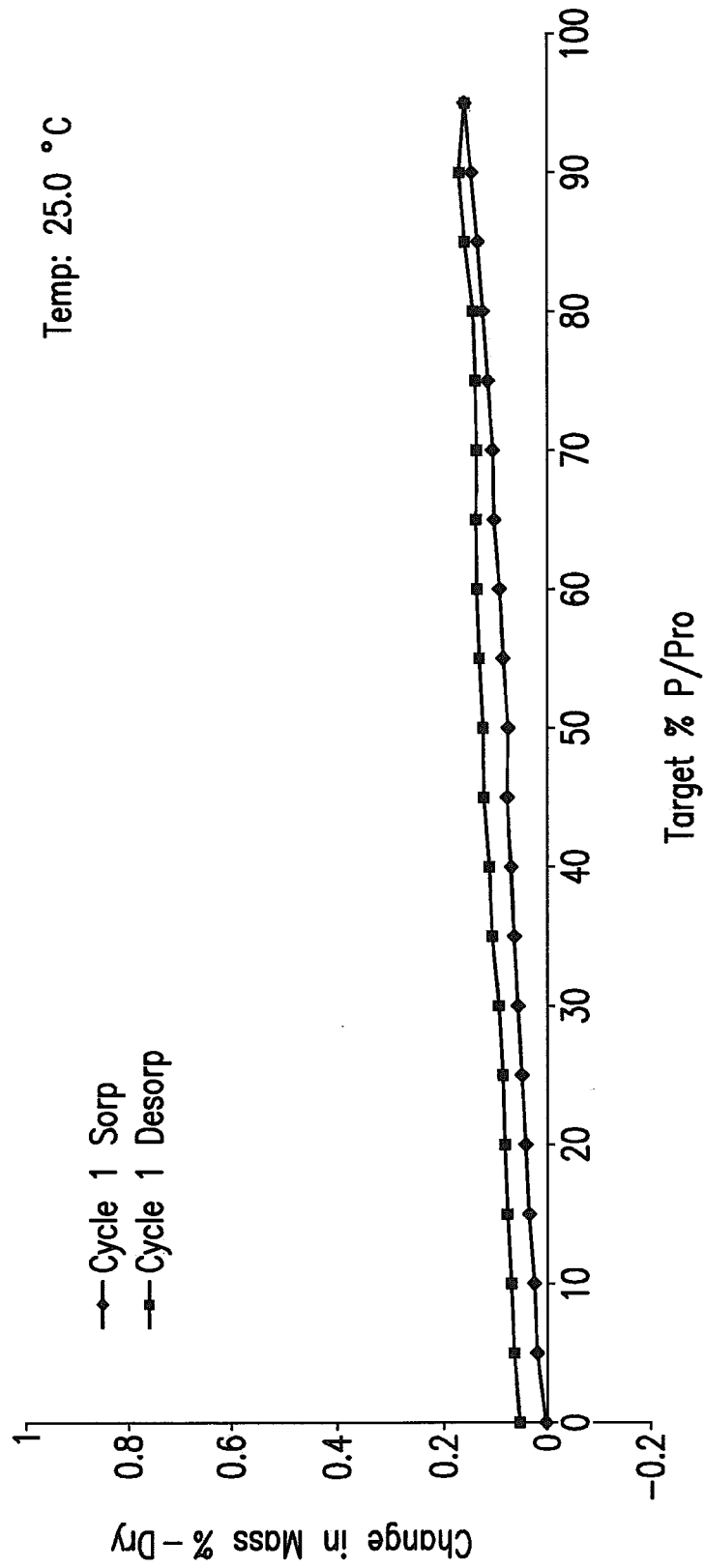


FIG. 9

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Single-agent Cytotoxicity Assay for Free Base in three Mantle Cell Lymphoma Cell Lines at 1000 cells/well

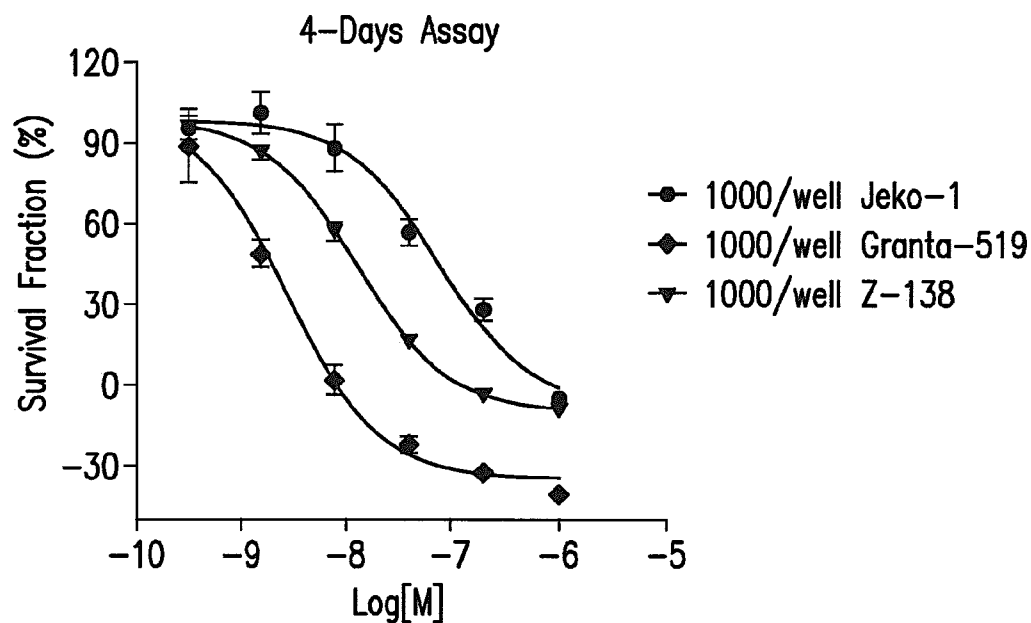


FIG. 10a

Single-agent Cytotoxicity Assay for Free Base in three Mantle Cell Lymphoma Cell Lines at 5000 cells/well

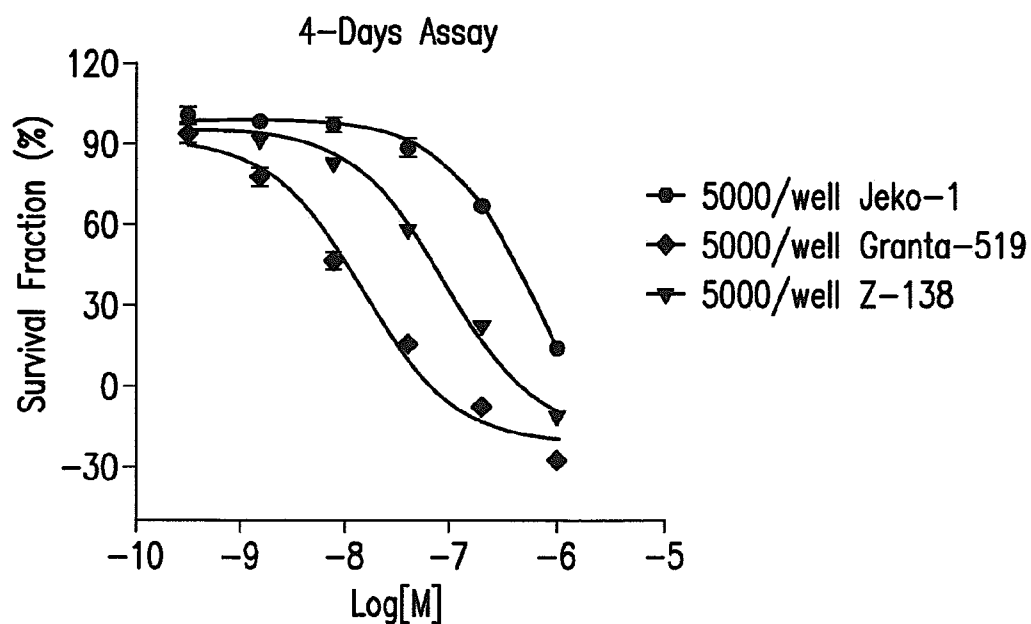


FIG. 10b

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Single-agent Cytotoxicity Assay for Free Base in two Head and Neck Cancer Cell Lines

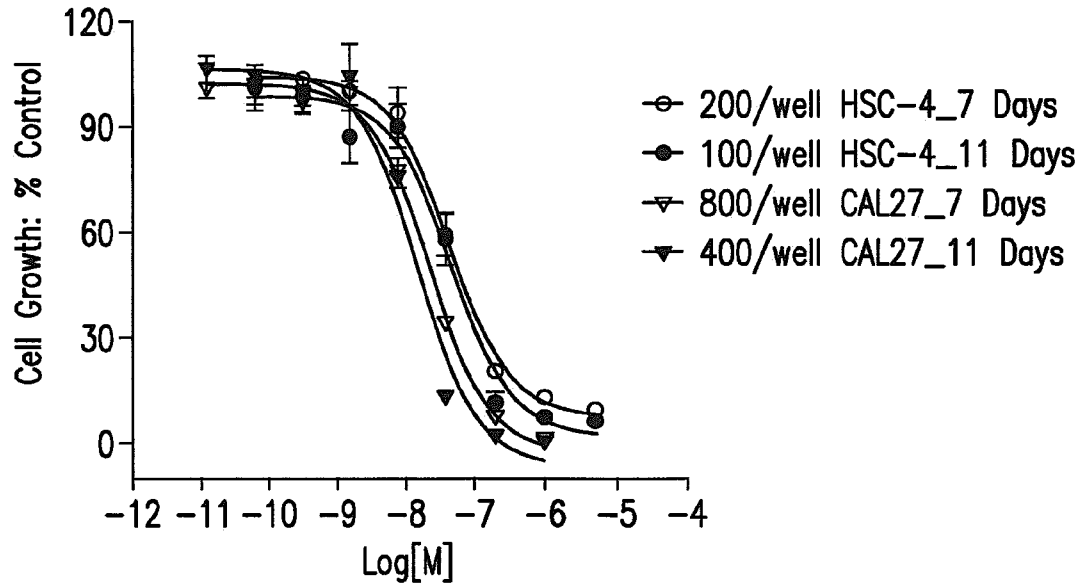


FIG. 11a

Single-agent Cytotoxicity Assay for Free Base in PE/CA-PJ34 Head and Neck Cancer Cell Line

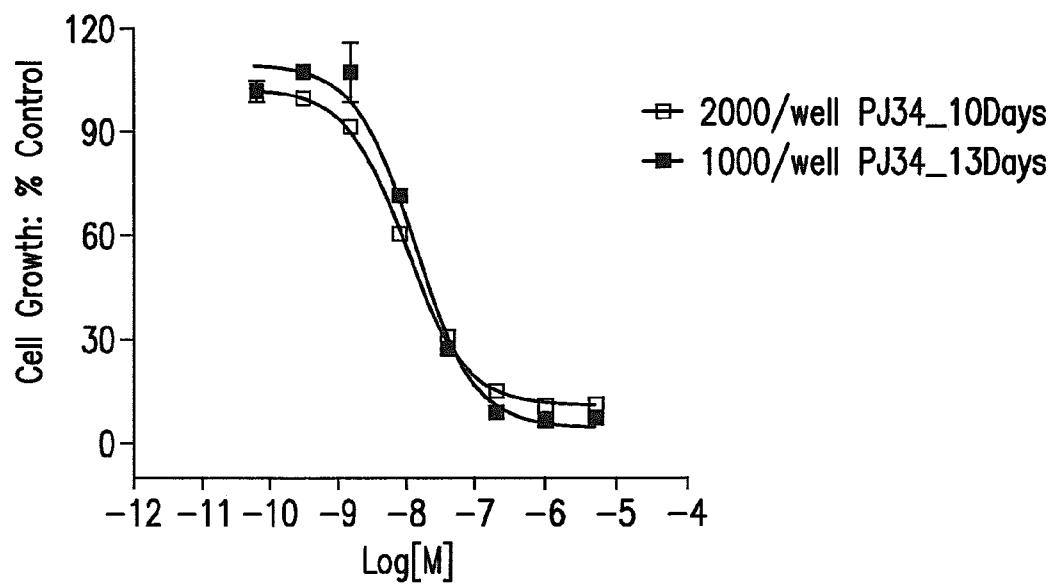


FIG. 11b

Solid State ^{13}C NMR
of Tosylate Salt
Polymorph

^{13}C CP/MAS NMR,
externally referenced
to glycine at 176.5 ppm

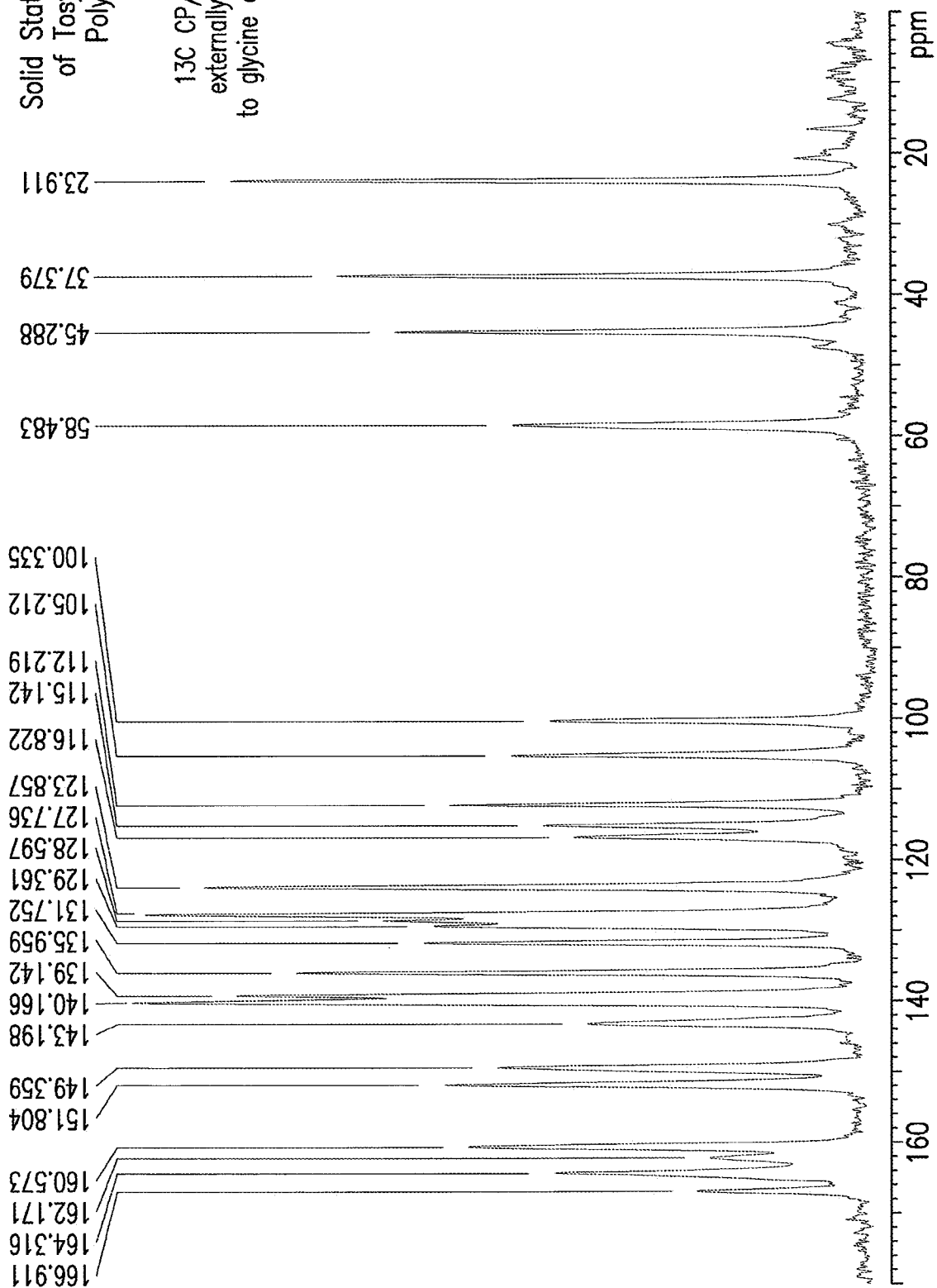


FIG. 12