FIG. 1

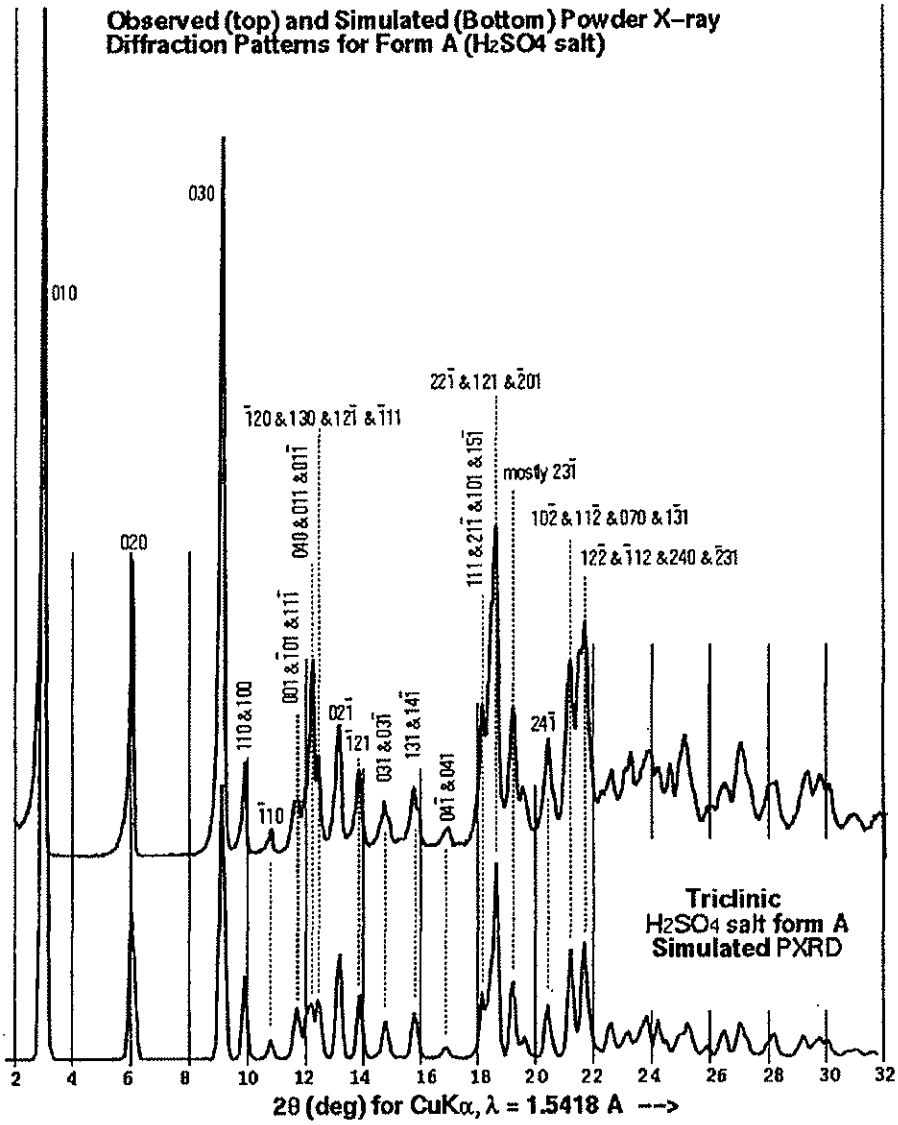

Observed (top) and Simulated (Bottom) Powder X-ray Diffraction Patterns for Form A (H2SO4 salt)
010
020
030
110 &100
$\bar{1}$10
001 &$\bar{1}$01 &11$\bar{1}$
040 &011 &01$\bar{1}$
$\bar{1}$20 &130 &12$\bar{1}$ &$\bar{1}$11
02$\bar{1}$
$\bar{1}$21
031 &03$\bar{1}$
131 &14$\bar{1}$
04$\bar{1}$ &041
111 &21$\bar{1}$ &101 &15$\bar{1}$
22$\bar{1}$ &121 &$\bar{2}$01
mostly 23$\bar{1}$
10$\bar{2}$ &11$\bar{2}$ &070 &1$\bar{3}$1
12$\bar{2}$ &$\bar{1}$12 &240 &$\bar{2}$31
24$\bar{1}$
Triclinic
H2SO4 salt form A
Simulated PXRD
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
2θ (deg) for CuKα, λ = 1.5418 A -->

FIG. 2

Crystal structure of atazanavir Form A

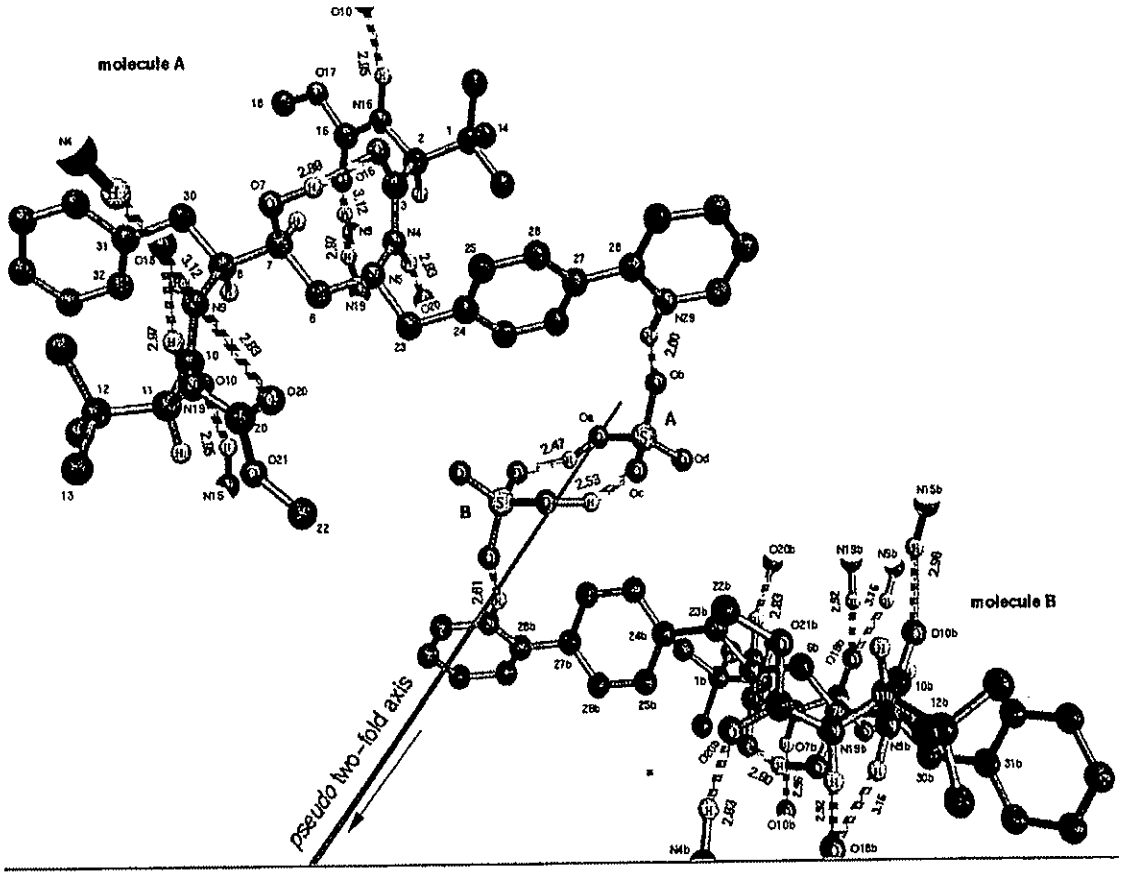
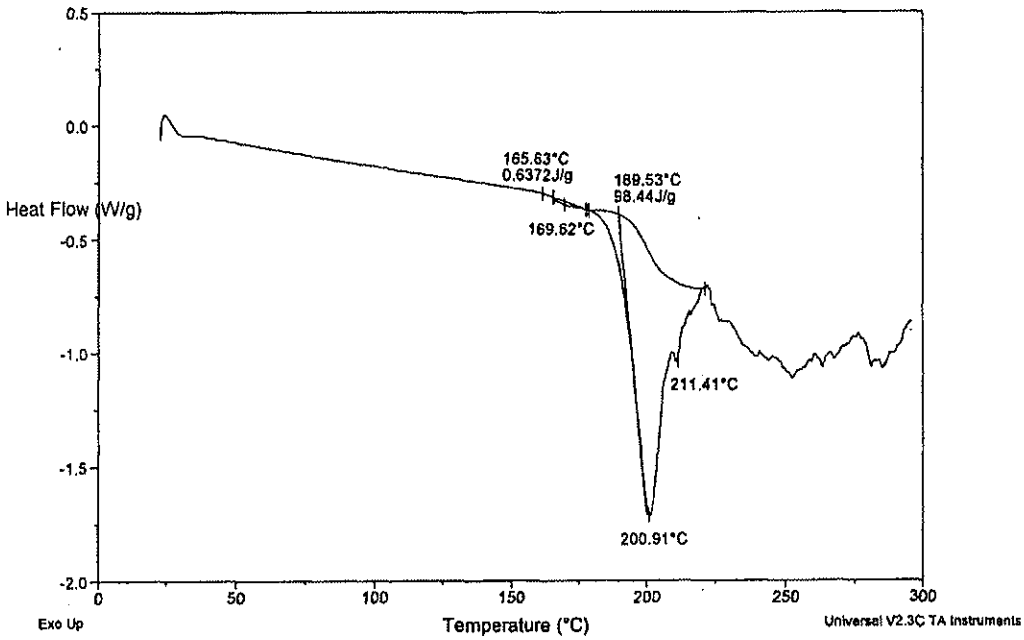


FIG. 3

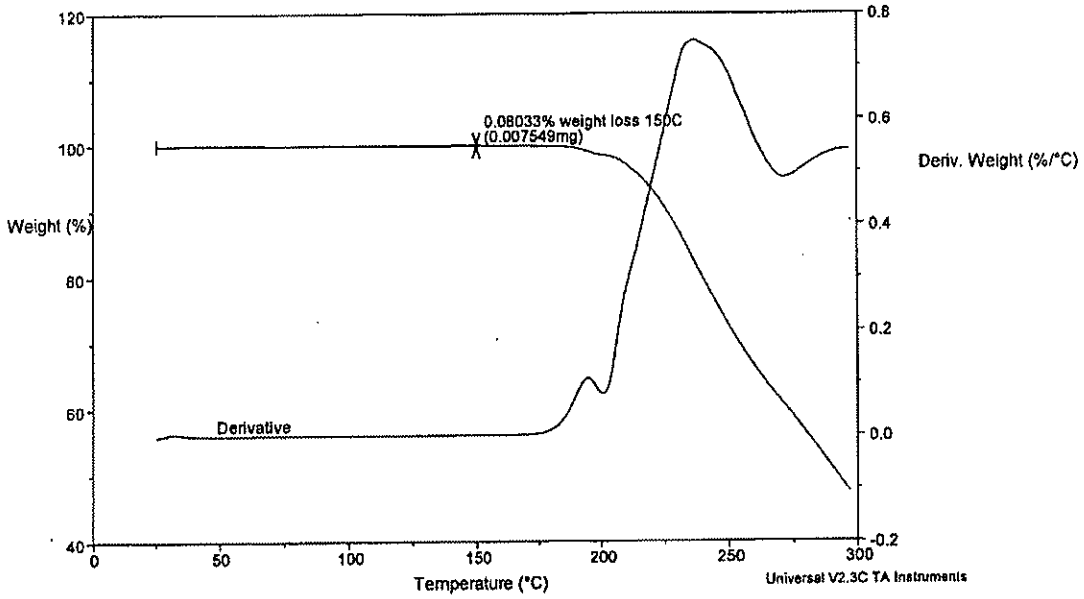
DSC



DSC Form A

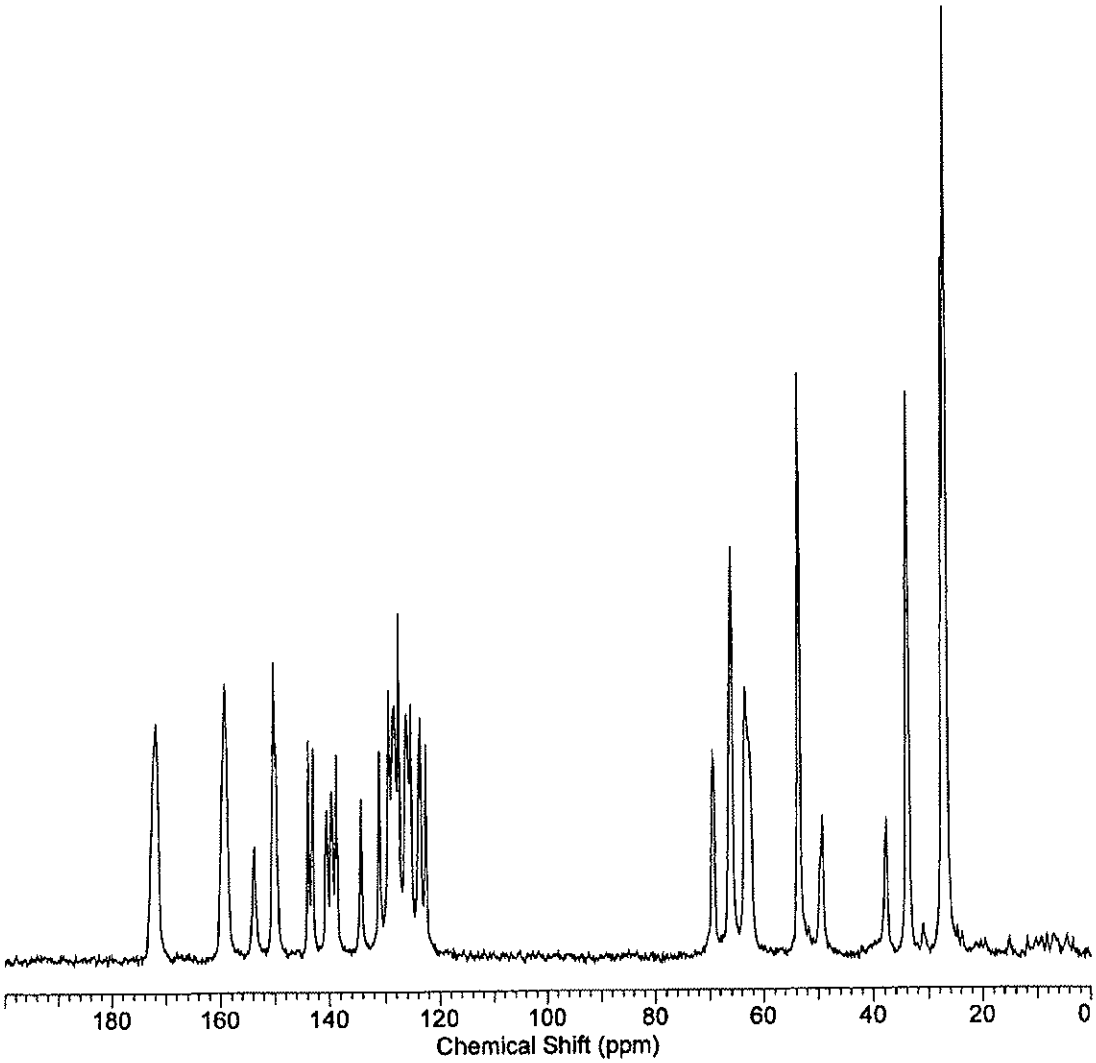
FIG. 4

TGA



TGA Form A

FIG. 5



Carbon-13 SSNMR of FORM A

FIG. 6

Powder x-ray diffraction pattern of atazanavir Pattern C

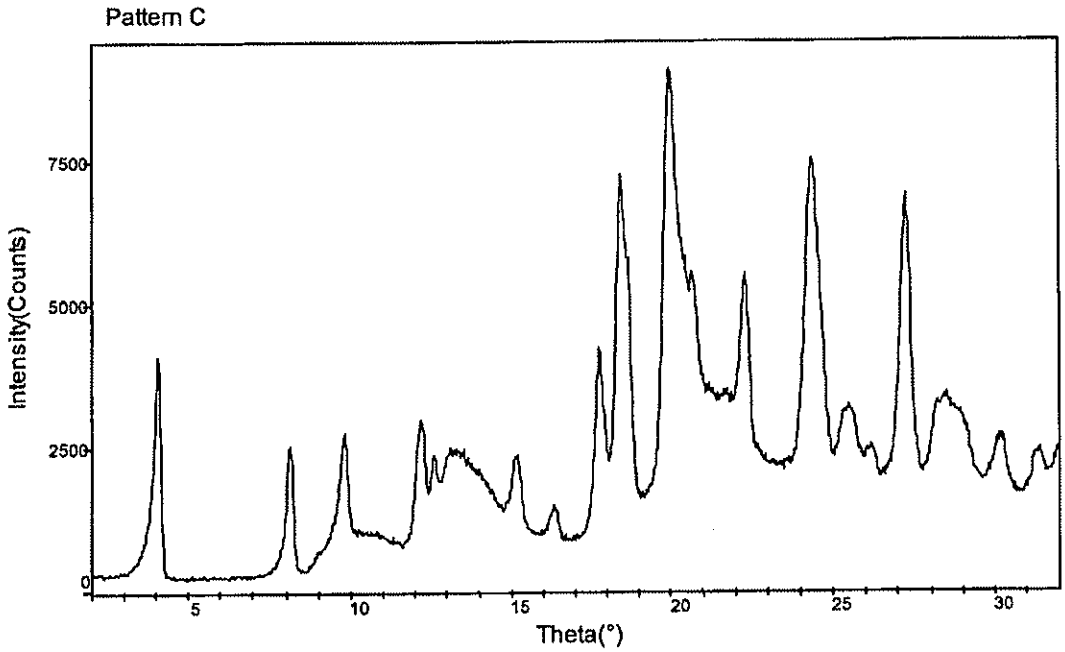
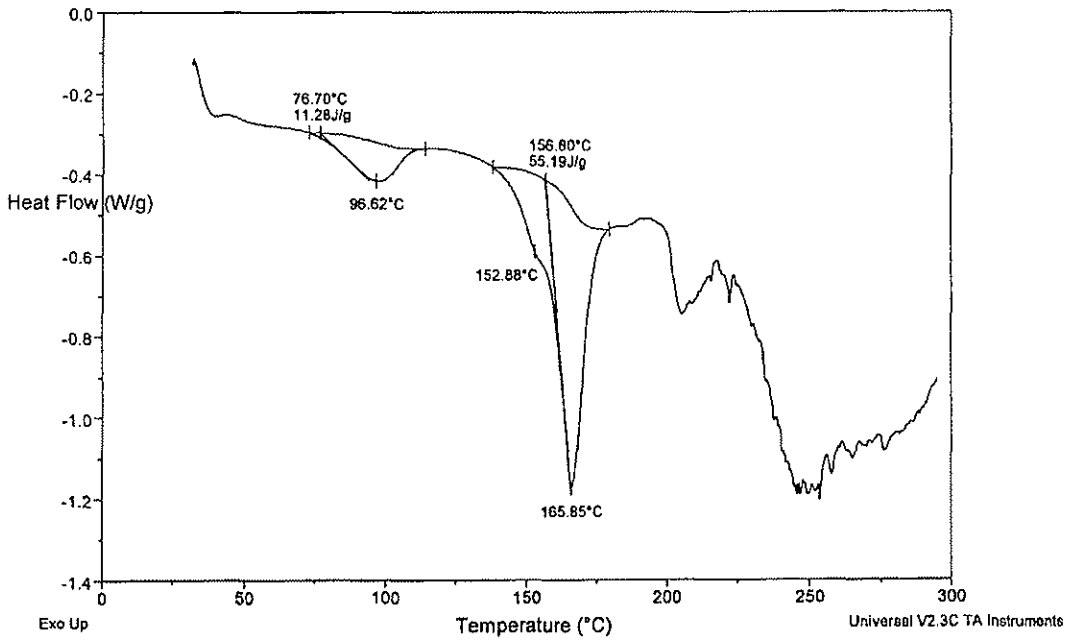


FIG. 7

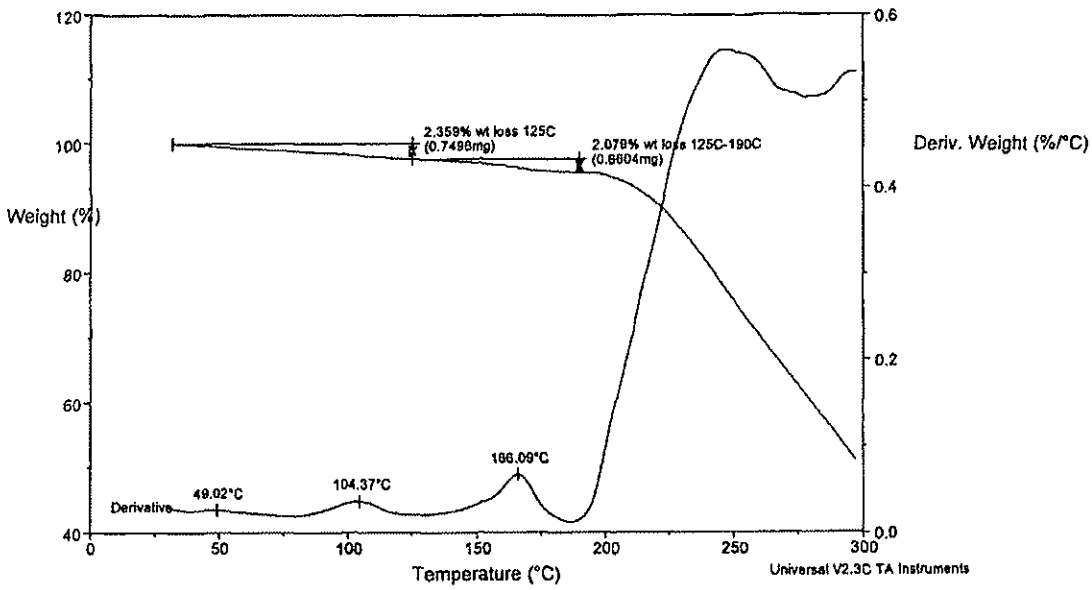
DSC



DSC Pattern C

FIG. 8

TGA



TGA Pattern C

FIG. 9

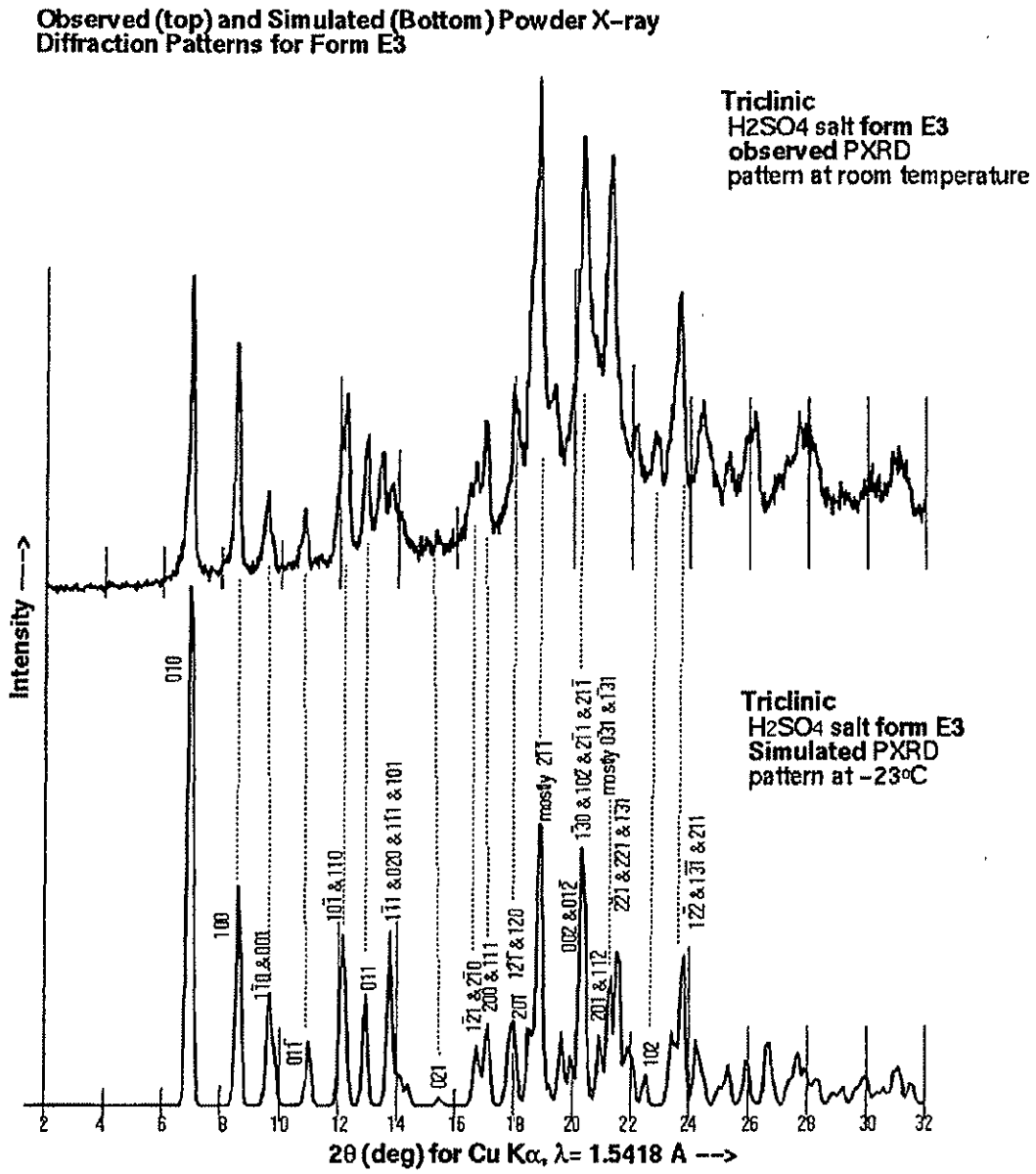

Observed (top) and Simulated (Bottom) Powder X-ray Diffraction Patterns for Form E3
Triclinic
H2SO4 salt form E3
observed PXRD
pattern at room temperature
Triclinic
H2SO4 salt form E3
Simulated PXRD
pattern at -23°C
Intensity --->
2θ (deg) for Cu Kα, λ= 1.5418 A -->

FIG. 10

Crystal structure of atazanavir Form E3

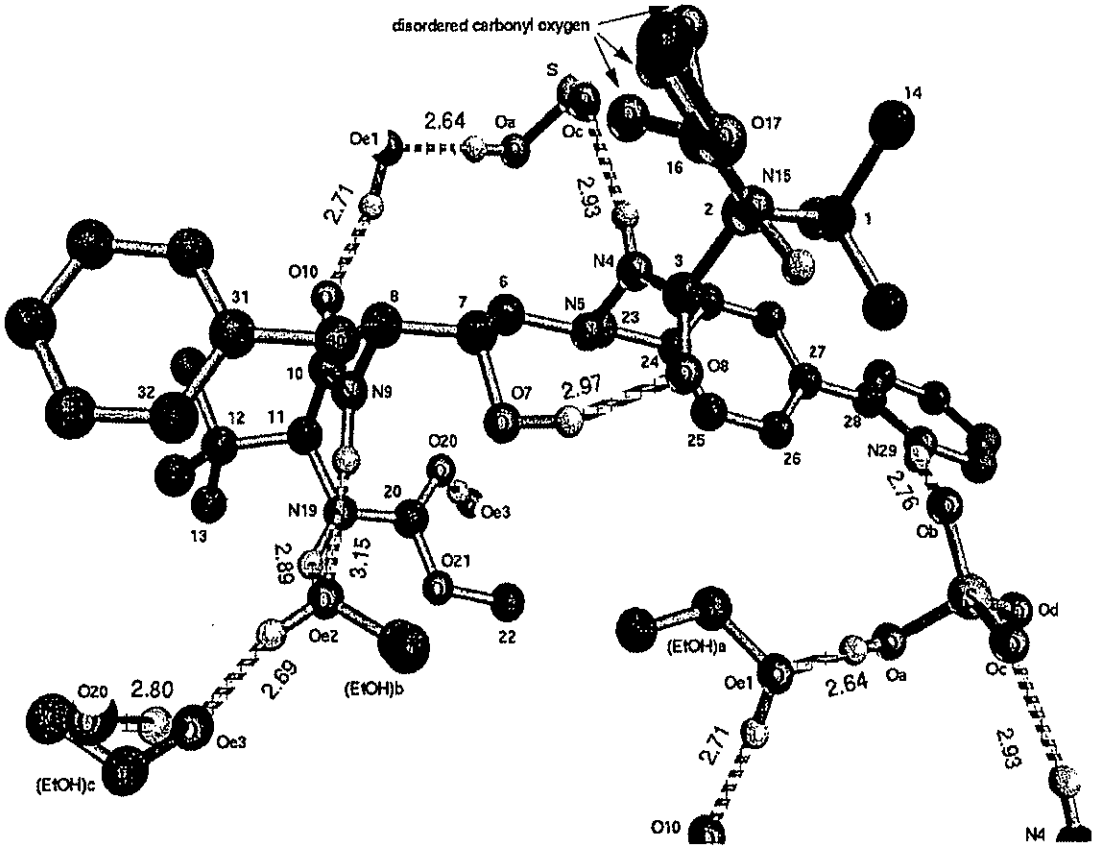
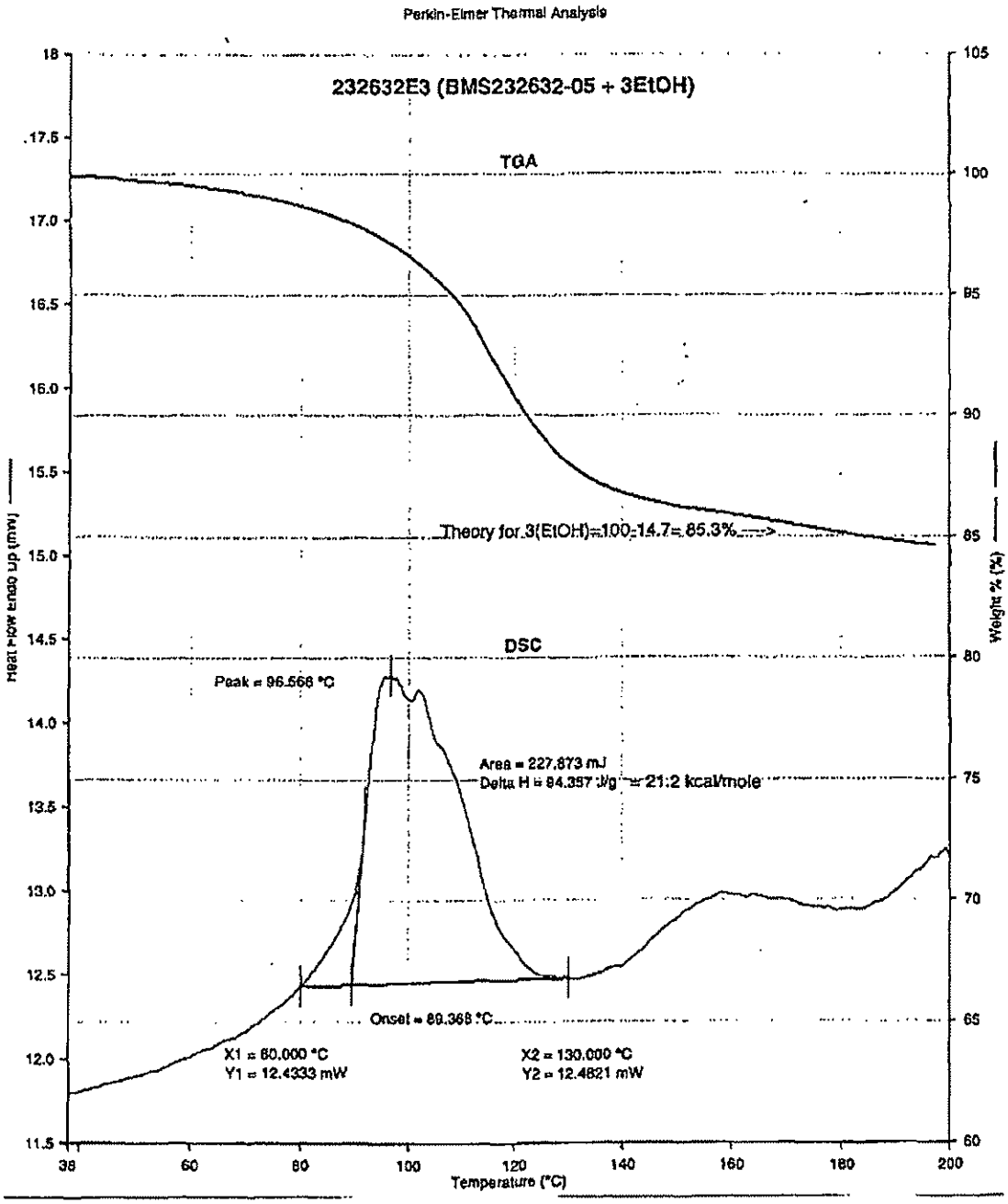


FIG. 11



DSC and TGA Form E3