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(54) **PHARMACEUTICAL COMPOSITIONS  
COMPRISING FORMS OF 5-AZACYTIDINE**

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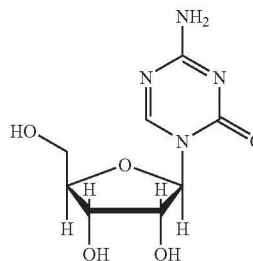
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(57) **ABSTRACT**

The invention provides novel polymorphic and pseudopoly-  
morphic crystalline forms of 5-azacytidine, along with meth-  
ods for preparing said forms, wherein 5-azacytidine is repre-  
sented by the formula:



The invention also includes pharmaceutical compositions  
comprising said forms.

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X-ray Powder Diffraction Pattern of Azacitidine, Form I, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

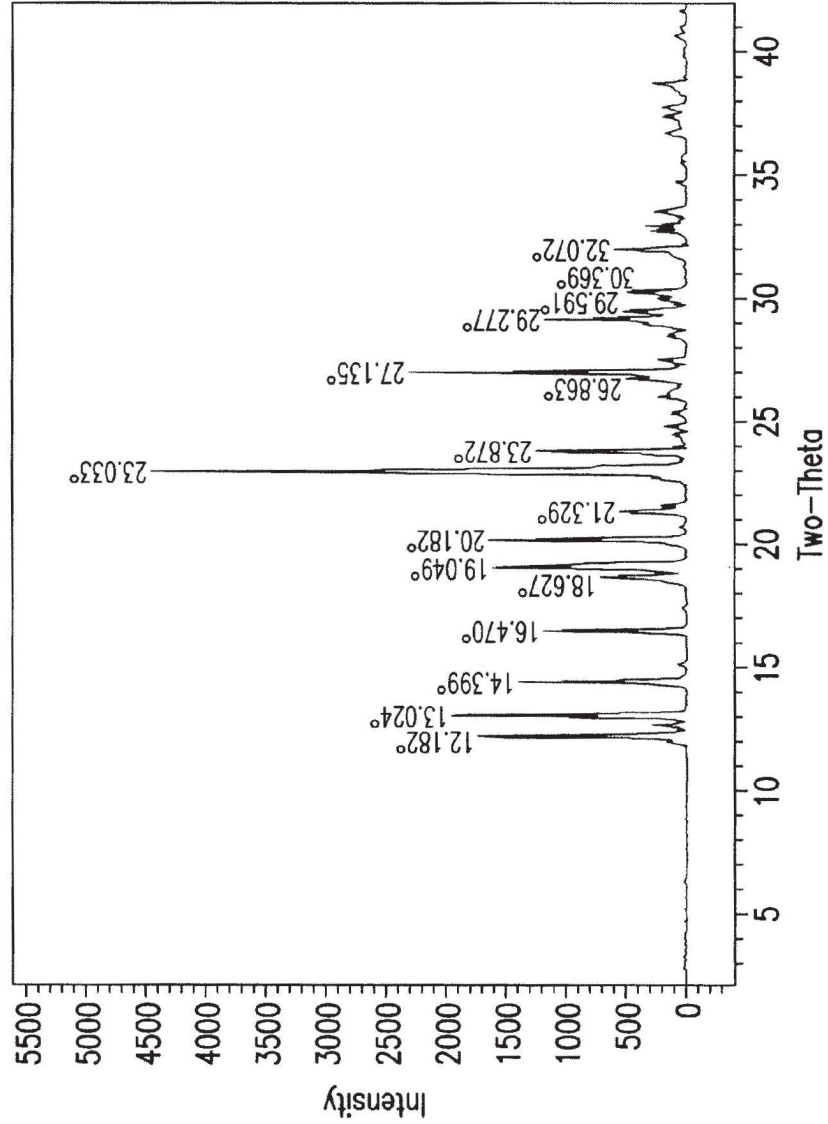


FIG. 1

X-ray Powder Diffraction Pattern of Azacitidine, Mixed Phase Forms I and II,  
Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

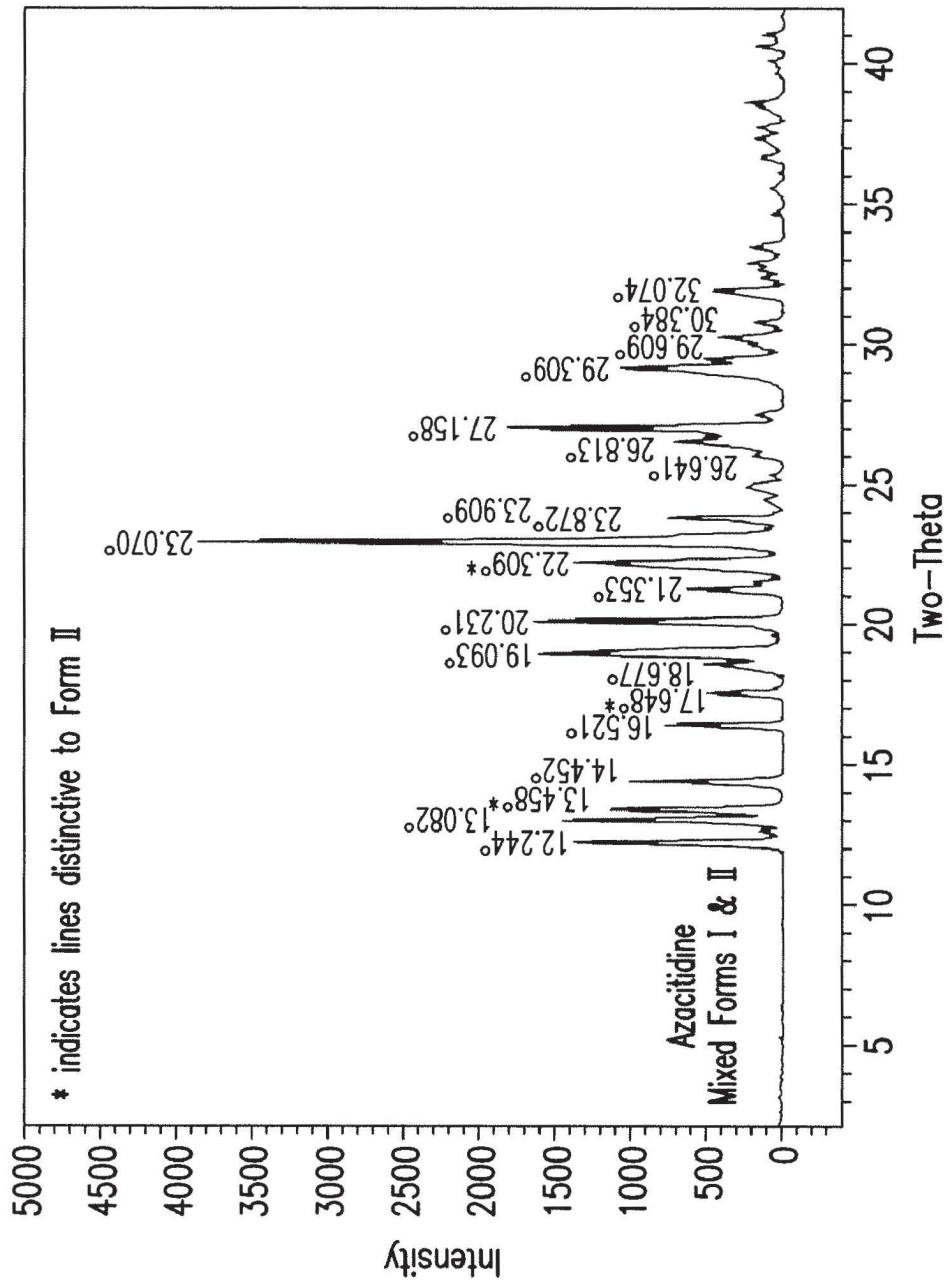


FIG. 2

X-ray Powder Diffraction Pattern of Azacitidine, Form III, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

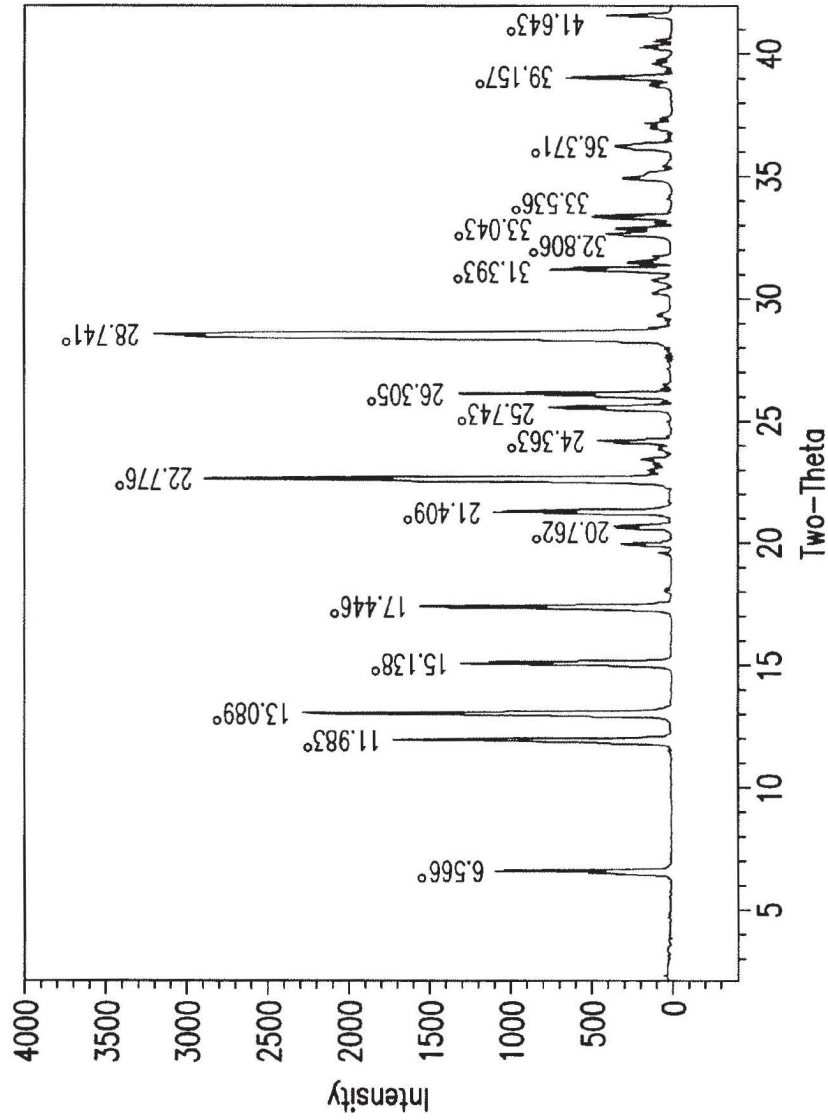


FIG. 3

X-ray Powder Diffraction Pattern of Azacitidine, Form IV, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

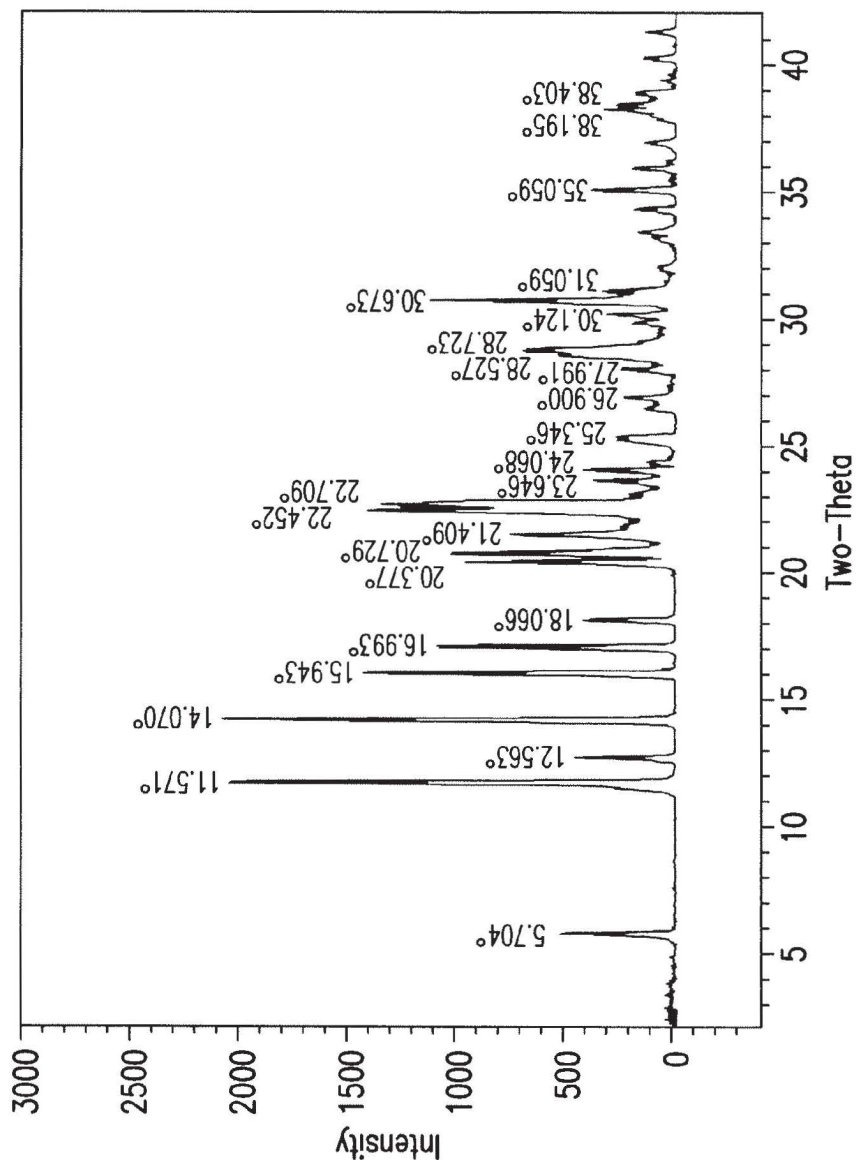


FIG.4

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