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(54) **FORMS OF 5-AZACYTIDINE**

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(57) **ABSTRACT**

The invention provides novel polymorphic and pseudopolymorphic crystalline forms of 5-azacytidine, along with methods for preparing said forms, wherein 5-azacytidine is represented by the formula:

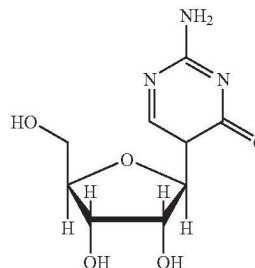
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Related U.S. Application Data

(60) Continuation of application No. 11/052,615, filed on Feb. 7, 2005, now Pat. No. 7,078,518, which is a division of application No. 10/390,578, filed on Mar. 17, 2003, now Pat. No. 6,887,855.



The invention also includes pharmaceutical compositions comprising said forms.

CELGENE 2038

Figure 1. X-ray Powder Diffraction Pattern of Azacitidine, Form I, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

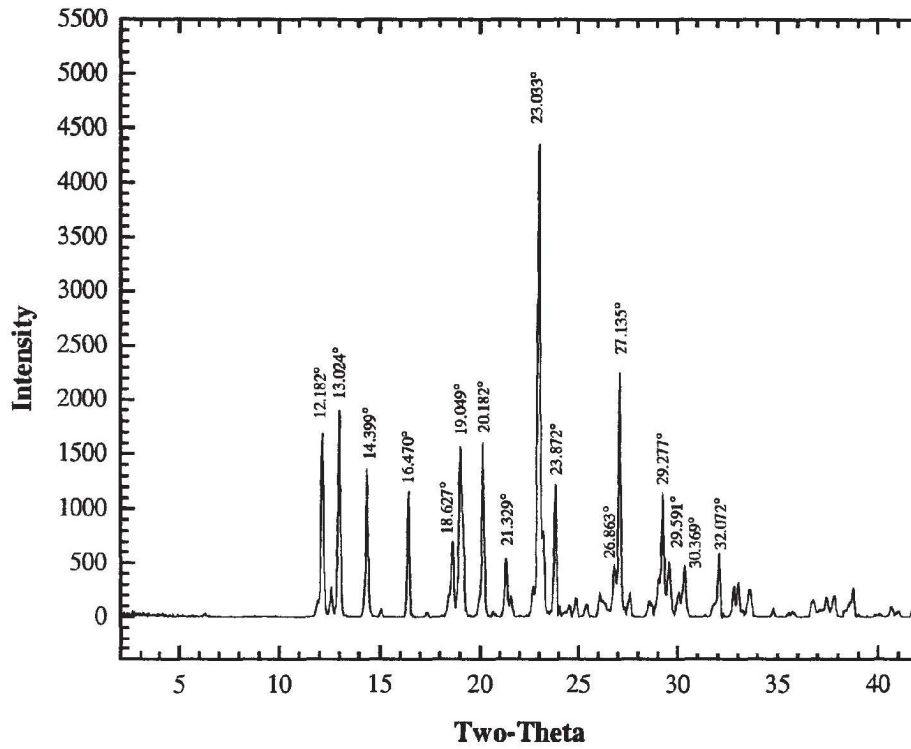


Figure 2 X-ray Powder Diffraction Pattern of Azacitidine, Mixed Phase Forms I and II, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

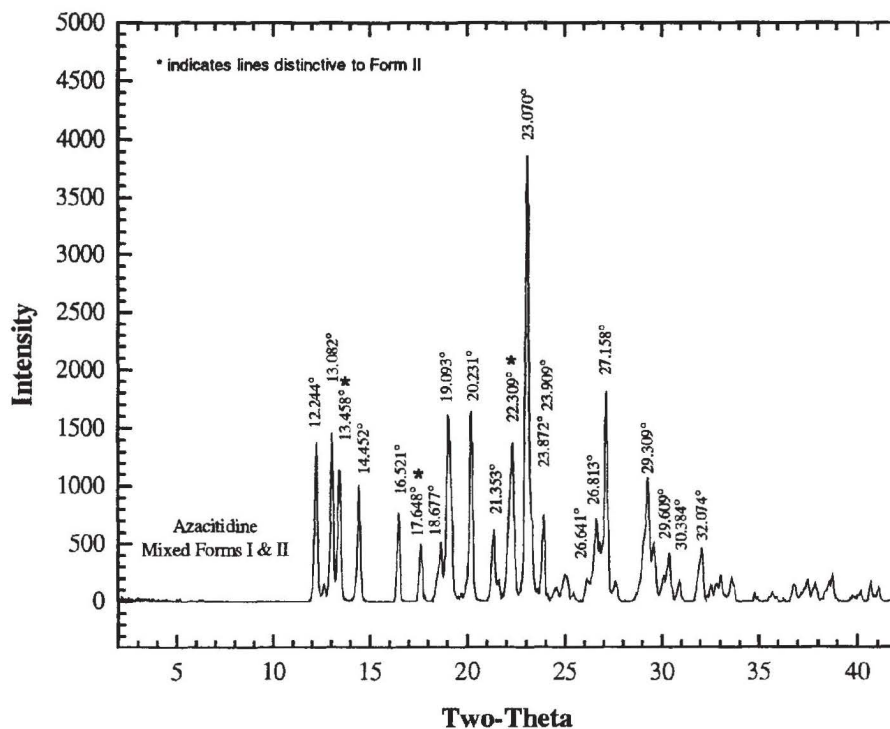


Figure 3 X-ray Powder Diffraction Pattern of Azacitidine, Form III, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)

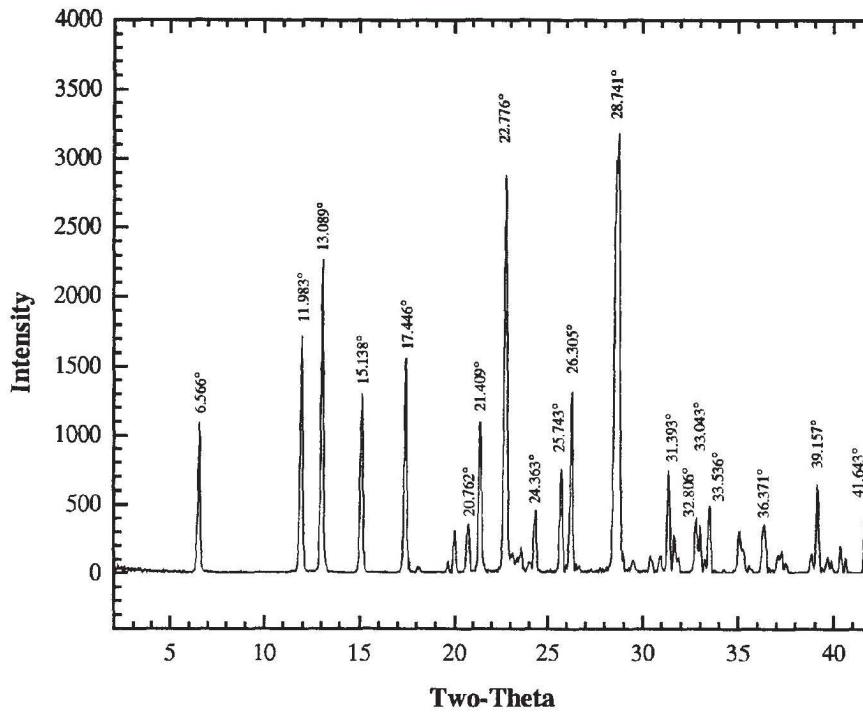
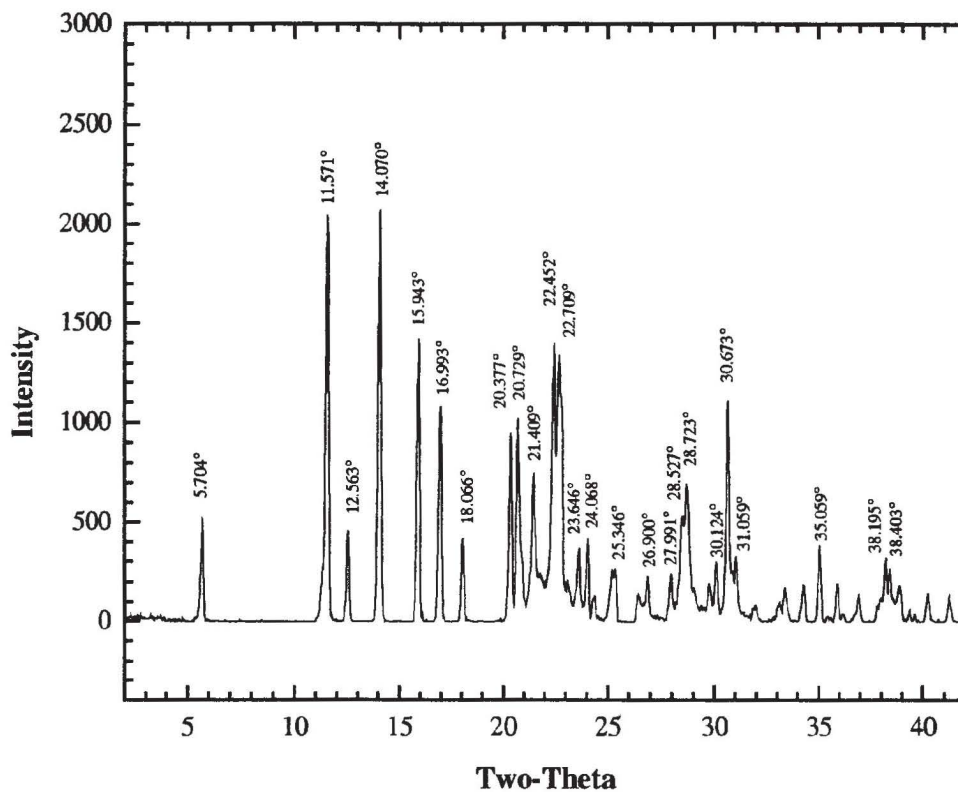


Figure 4 X-ray Powder Diffraction Pattern of Azacitidine, Form IV, Labeled with the more Prominent 2θ Angles (Cu Kα Radiation)



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