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(54) **BENDAMUSTINE PHARMACEUTICAL COMPOSITIONS**

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USPC ..... **548/304.7**; 34/284

(58) **Field of Classification Search**  
USPC ..... 34/284  
See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides pharmaceutical formulations of lyophilized bendamustine suitable for pharmaceutical use. The present invention further provides methods of producing lyophilized bendamustine. The pharmaceutical formulations can be used for any disease that is sensitive to treatment with bendamustine, such as neoplastic diseases.

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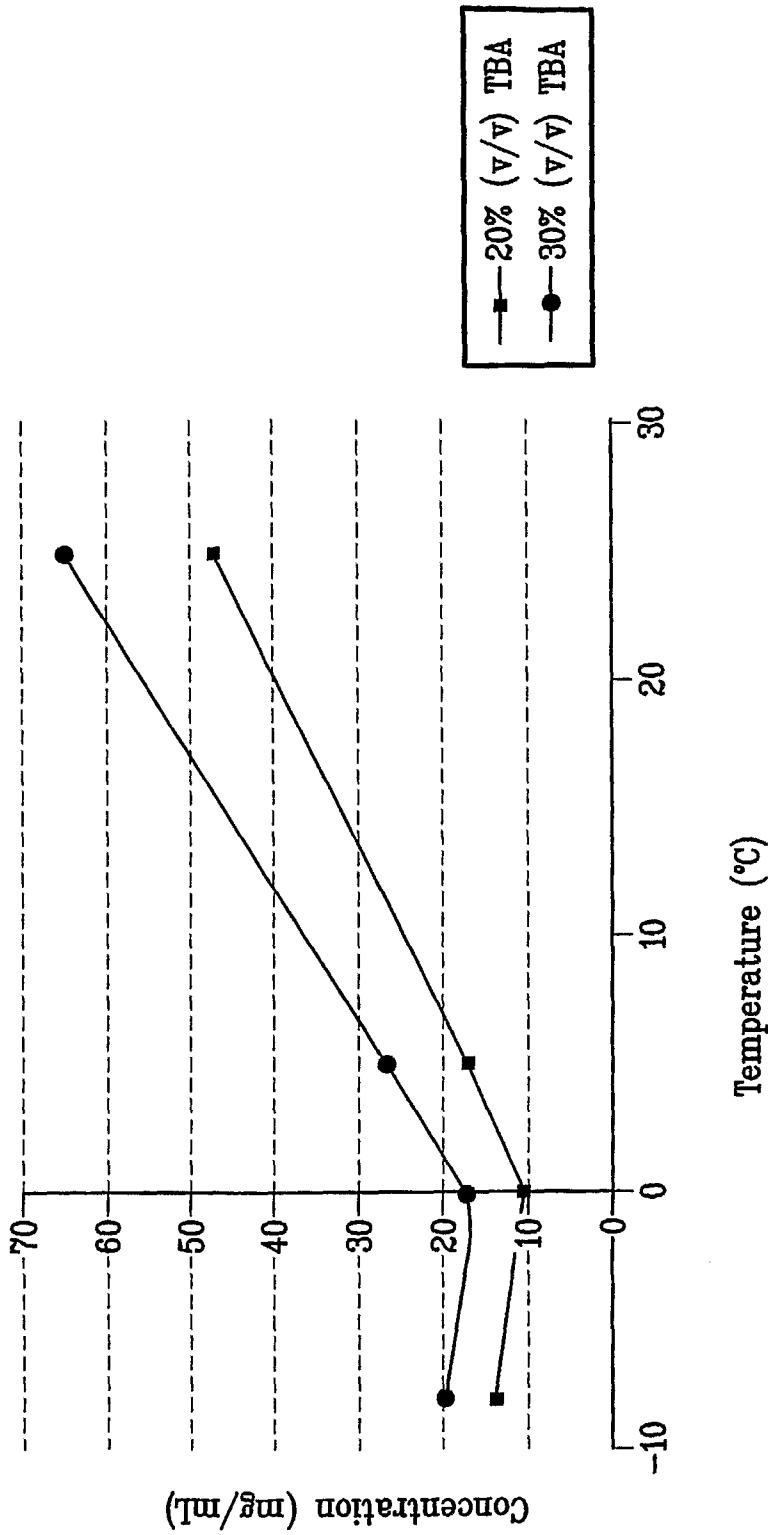


FIG. 1

Bendamustine Purity after 24 hours at 5°C in Various Alcohol/Water Co-Solvents

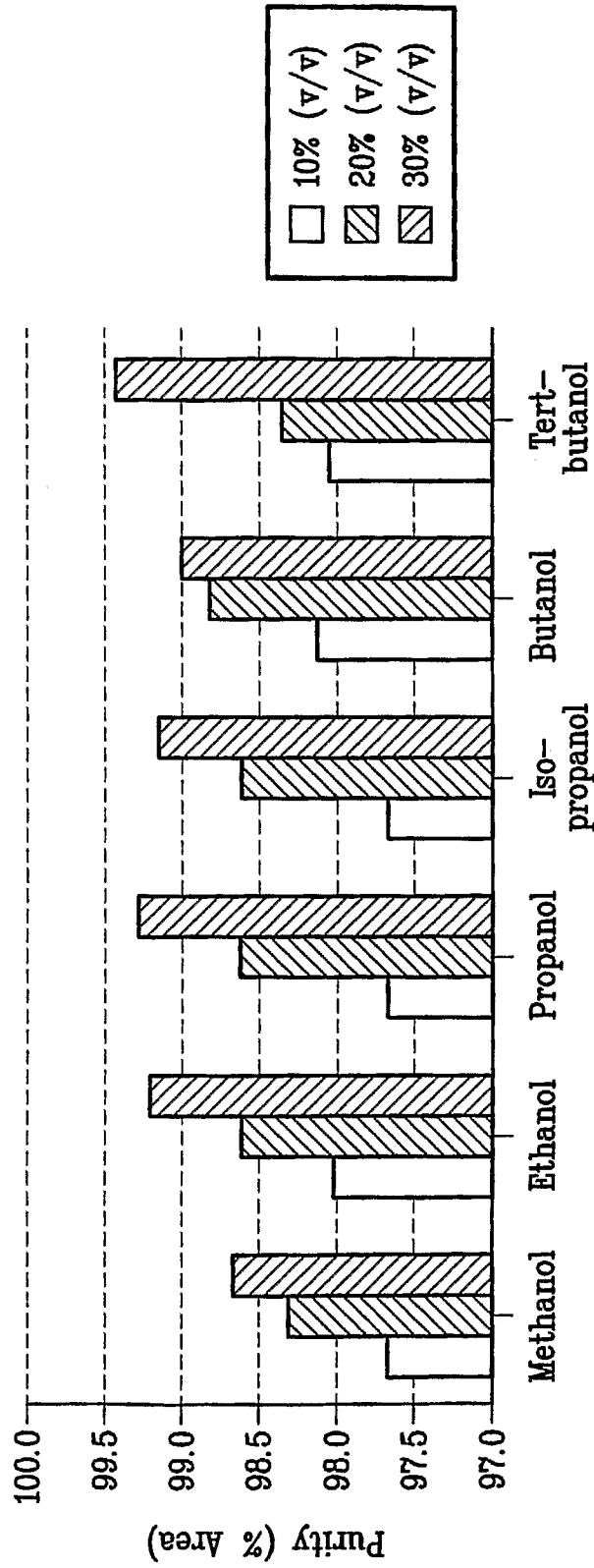


FIG. 2

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