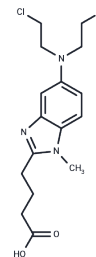


Bendamustine

Chemical Properties

CAS No. :	16506-27-7
Formula:	C ₁₆ H ₂₁ Cl ₂ N ₃ O ₂
Molecular Weight:	358.26
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Bendamustine (SDX105) for the treatment of Non-Hodgkin Lymphomas and Chronic Lymphocytic Leukemia
Targets(IC50)	Apoptosis,DNA Alkylator/Crosslinker

Solubility Information

Solubility	DMSO: 130 mg/mL (362.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.58 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (27.91 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7913 mL	13.9563 mL	27.9127 mL
5 mM	0.5583 mL	2.7913 mL	5.5825 mL
10 mM	0.2791 mL	1.3956 mL	2.7913 mL
50 mM	0.0558 mL	0.2791 mL	0.5583 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Patekar M B , Milunovi V , Jakobac K M , et al. Bendamustine: an Old Drug in the New Era for Patients with Non-Hodgkin Lymphomas and Chronic Lymphocytic Leukemia[J]. Acta Clinica Croatica, 2018, 57(3):542-553.

Gafter-Gvili, Anat, Polliack, et al. Bendamustine associated immune suppression and infections during therapy of hematological malignancies[J]. Leukemia & Lymphoma, 2016.

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