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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2023

Re-test Date: Mar 2026

**Product Name: Bendamustine Hydrochloride**

### Identification:

Chemical Name: 4-{5-[Bis(2-chloroethyl)amino]-1-methyl-1H-benzimidazole-2-yl}butanoic acid monohydrochloride

Synonyms : Cytostasan ; Ribomustin ;  
Treanda

CAS Number : 3543-75-7

CAT Number : CP-B7013

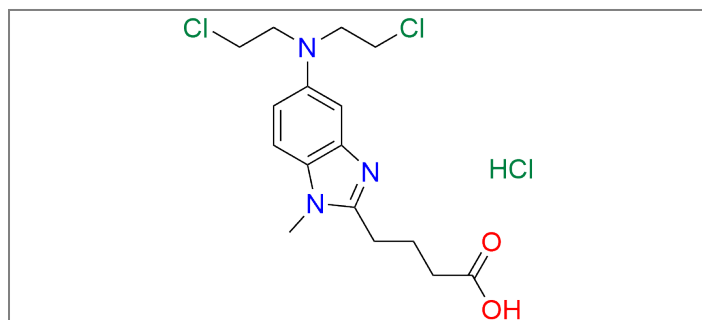
Molecular Formula : C<sub>16</sub>H<sub>20</sub>N<sub>3</sub>O<sub>2</sub> : HCl

Molecular Weight : 358.3 : 36.5

Batch Number : CHEM-BEN-IN

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.31%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	3.5%
8)	Potency by TGA	95.81%



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.