

Certificate of Analysis

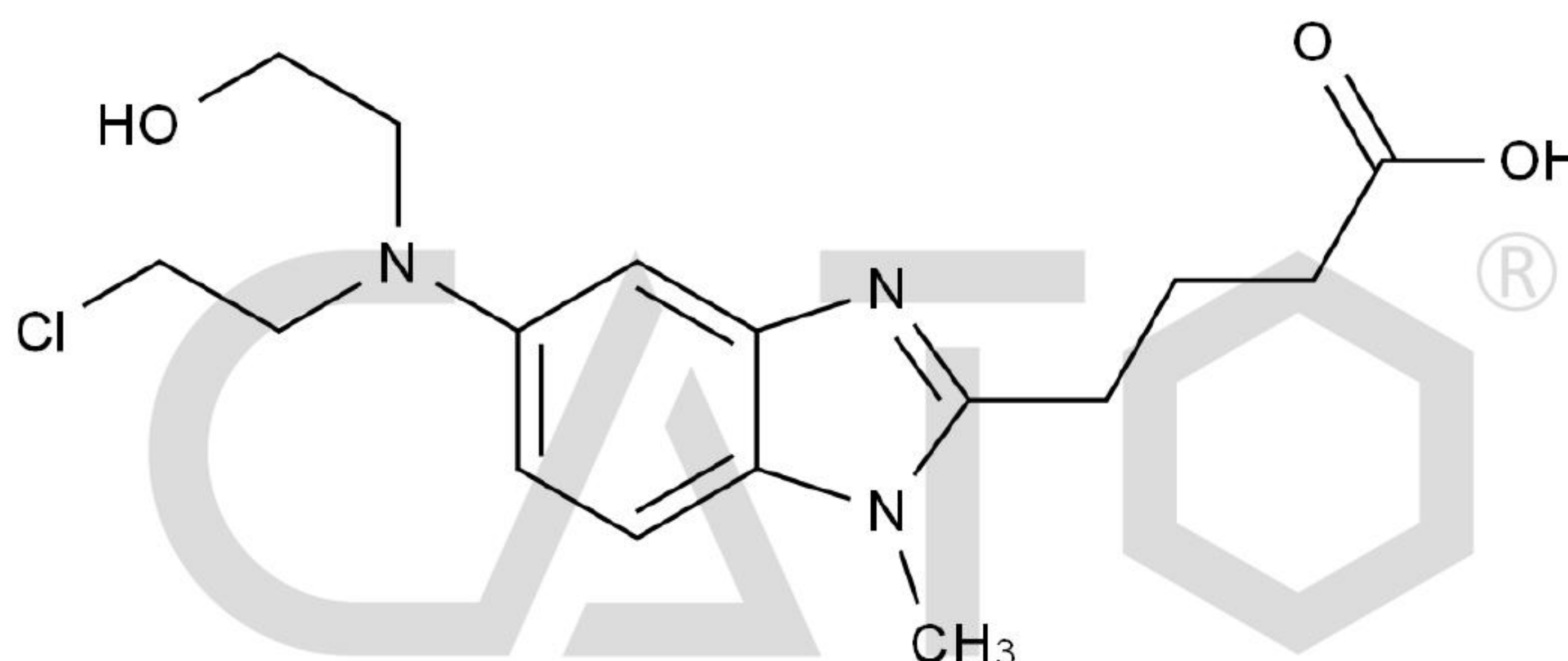
Reference Material & Standard

Product Name:	Bendamustine USP Related Compound E	Catalogue Number:	C4X-127112
Synonyms:	N/A	Lot Number:	0918-RH-0015
CAS Number:	109882-27-1	Expiry Date:	Nov 11, 2029
Molecular Formula:	C ₁₆ H ₂₂ ClN ₃ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	339.82	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.349%
Water Content	Karl Fischer	1.34%
Residual Solvents	NMR	1.01% methanol
Assay		96.0%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Sep 18, 2026

Date: Sep 18, 2026

Date: Sep 18, 2026



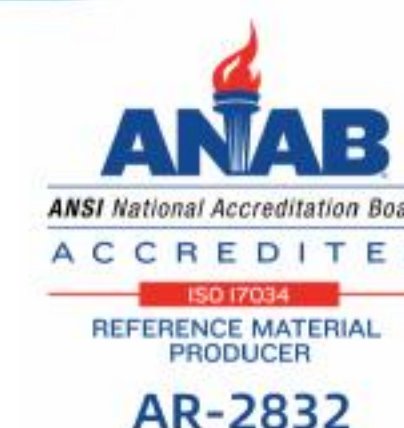
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat