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CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2026

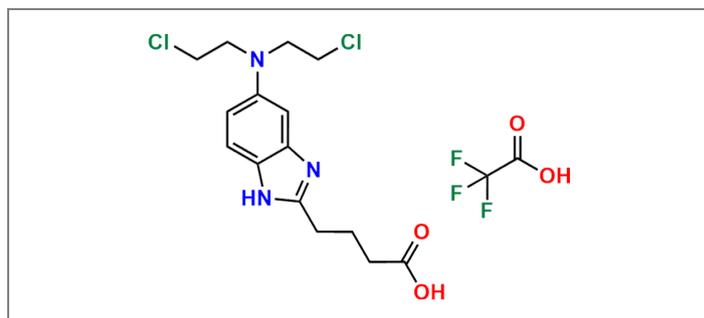
Re-test Date: Dec 2028

Product Name: Bendamustine N-Desmethyl Impurity

Identification:

Chemical Name: 4-(5-(Bis(2-chloroethyl)amino)-1H-benzo[d]imidazol-2-yl)butanoic acid, 2,2,2-trifluoroacetic acid

Synonyms : NA
CAS Number : NA
CAT Number : CP-B7074
Molecular Formula : C₁₅H₁₉Cl₂N₃O₂ : C₂H₃F₃O₂
Molecular Weight : 344.24 : 114.02
Batch Number : CP-40-18
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	Off White hygroscopic Solid
2)	Solubility	Soluble in Methanol/ DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	95.03%
5)	¹ H NMR	Confirm to Structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

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