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CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2026

Re-test Date: Dec 2028

Product Name: Melphalan EP Impurity C

Identification:

Chemical Name: 4-[(2-chloroethyl)amino]-L-phenylalanine Hydrochloride (as per EP)

Synonyms : Melphalan Mono-chloroethyl
Impurity

CAS Number : 2286317-87-9

CAT Number : CP-M9003

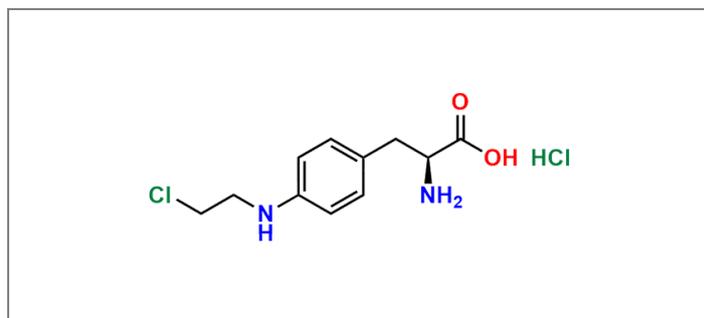
Molecular Formula : C₁₁H₁₅ClN₂O₂ : HCl

Molecular Weight : 242.70

Batch Number : CP-38-48

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 Solid
2)	Solubility	Soluble in Methanol/ DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	98.17%
5)	¹ HNMR	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.