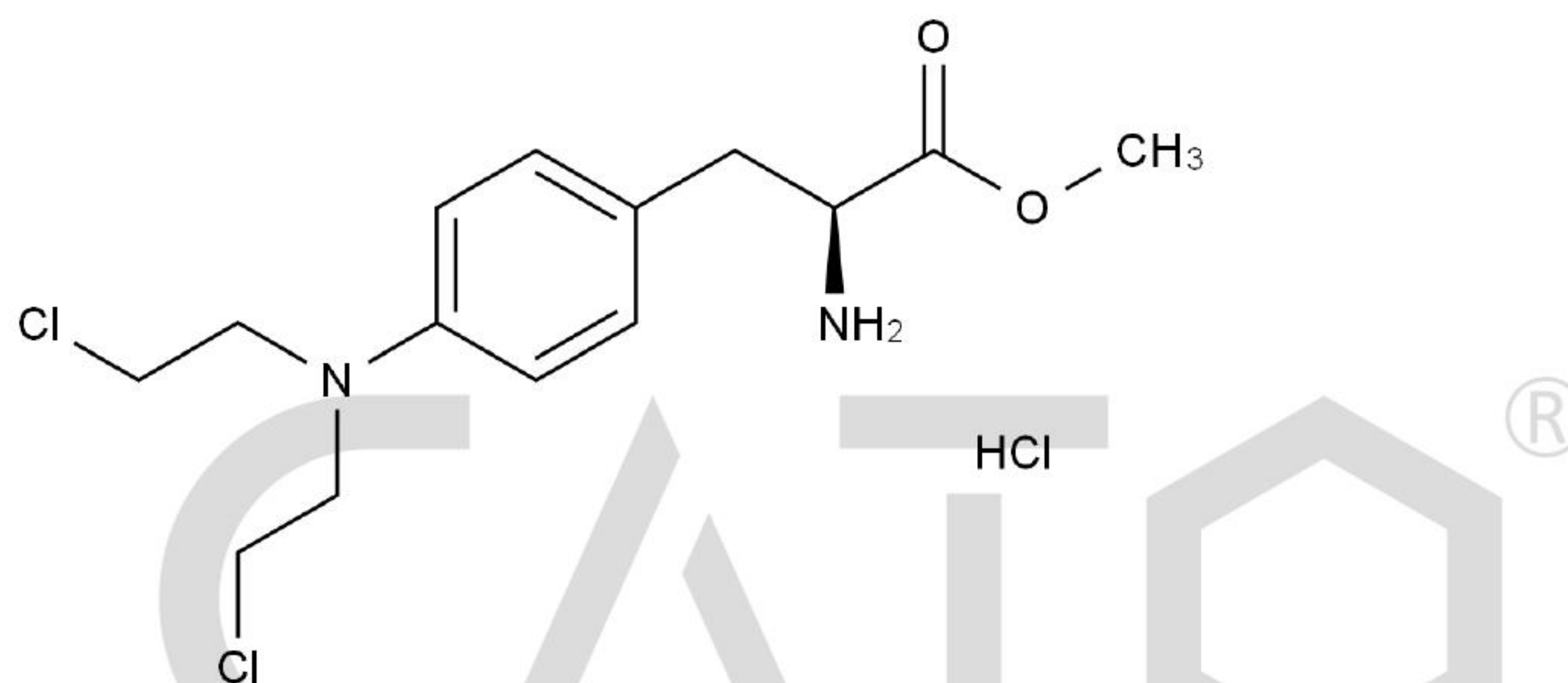


Certificate of Analysis

Reference Material & Standard

Product Name:	Melphalan EP Impurity H HCl	Catalogue Number:	C4X-19888
Synonyms:	N/A	Lot Number:	0919-RF-0011
CAS Number:	62978-52-3	Expiry Date:	Sep 19, 2027
Molecular Formula:	C ₁₄ H ₂₀ Cl ₂ N ₂ O ₂ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	319.23 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	93.2%
Assay	qNMR	91.5%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 23, 2024

Date: Sep 23, 2024

Date: Sep 23, 2024

