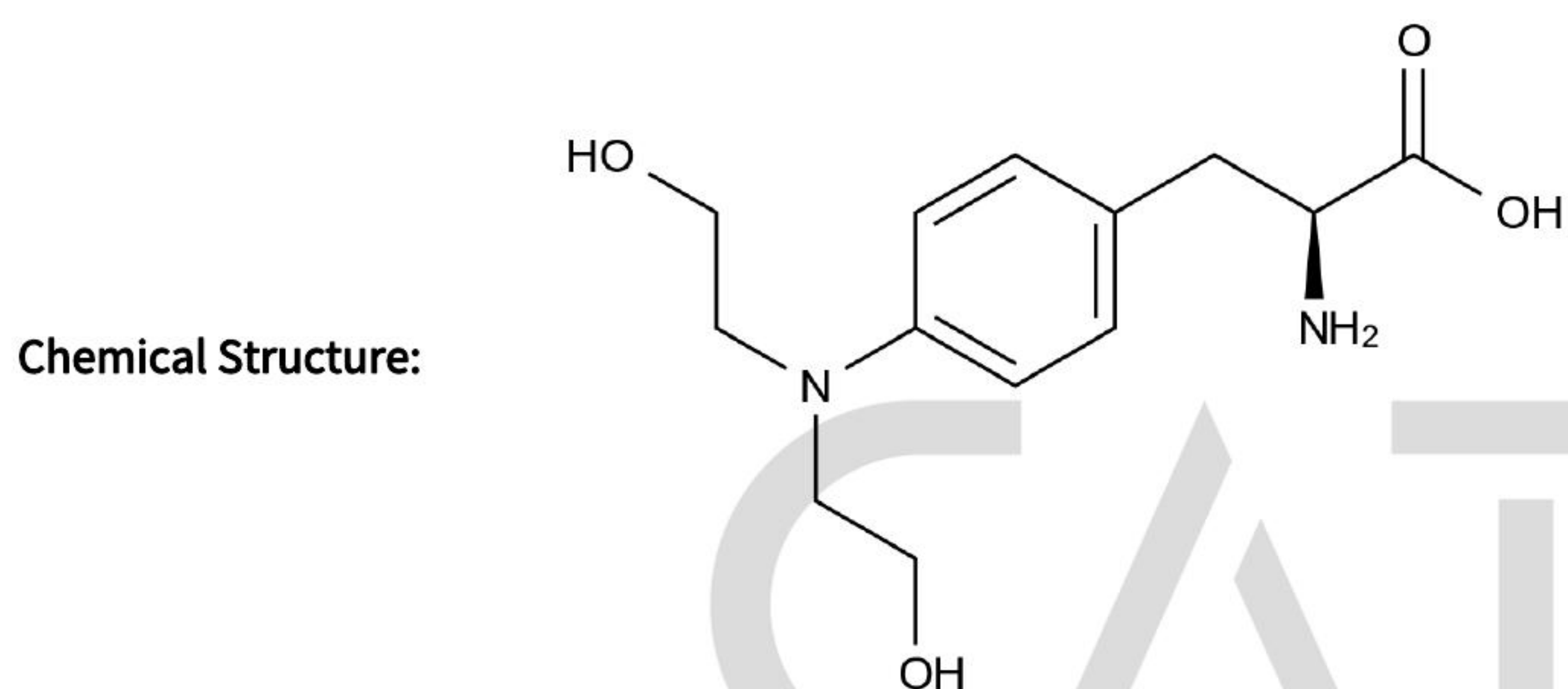


Certificate of Analysis

Reference Material & Standard

Product Name:	Melphalan EP Impurity A	Catalogue Number:	C4X-19881
Synonyms:	N/A	Lot Number:	1231-RF-0050
CAS Number:	72143-20-5	Expiry Date:	Jul 16, 2029
Molecular Formula:	C ₁₃ H ₂₀ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	268.31		



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	94.305%
Loss On Drying	TGA	2.2636%
Assay		92.2%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 17, 2025

Date: Jul 17, 2025

Date: Jul 17, 2025

