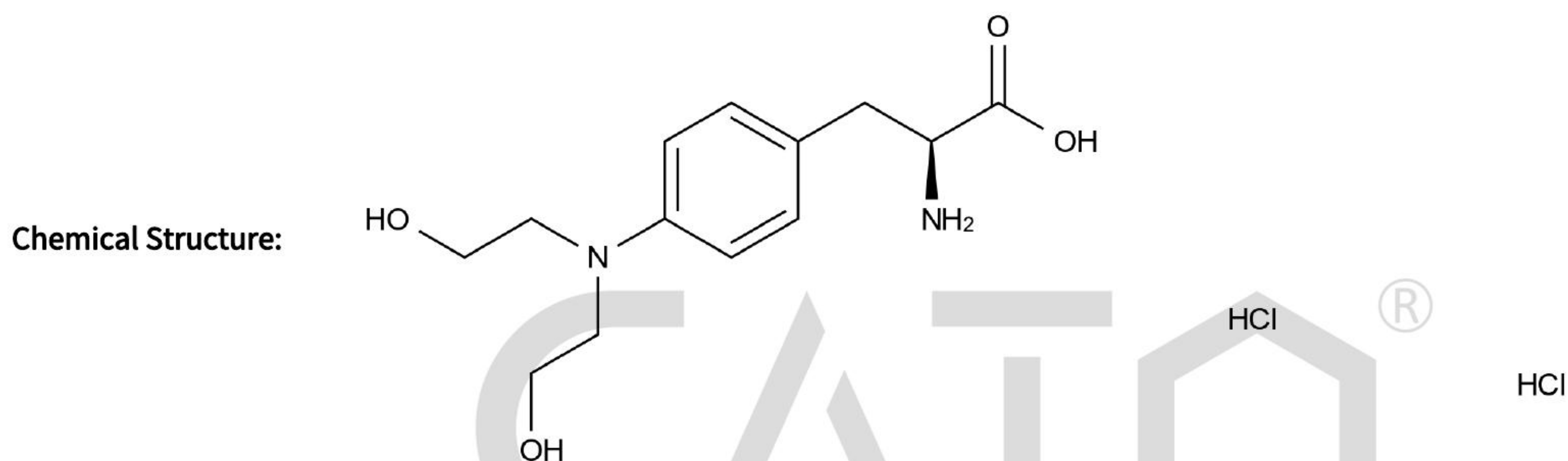


Certificate of Analysis

Reference Material

Product Name:	Melphalan EP Impurity A DiHCl (Dihydroxy Melphalan DiHCl)	Catalogue Number:	CP132133
Chemical Name:	N/A	Lot Number:	0106-RE-0021
CAS Number:	297734-04-4	Expiry Date:	Jan 11, 2026
Molecular Formula:	C ₁₃ H ₂₀ N ₂ O ₄ 2*HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	268.31 2*36.46		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.2%
Residual Solvents	NMR	2.32% ethyl acetate

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jan 12, 2023

Date: Jan 13, 2023

Date: Jan 13, 2023

