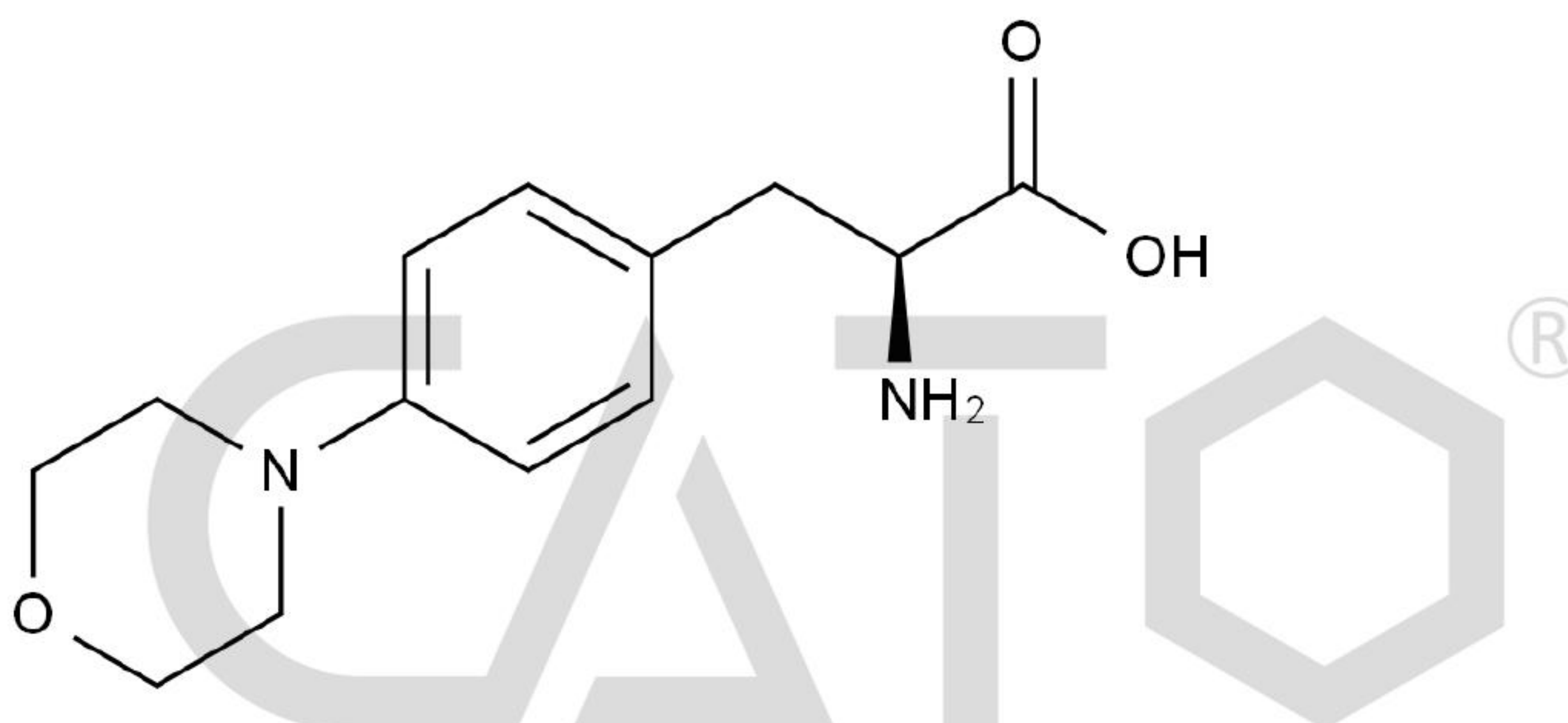


Certificate of Analysis

Reference Material & Standard

Product Name:	Melphalan EP Impurity B	Catalogue Number:	C4X-198815
Synonyms:	N/A	Lot Number:	0730-RH-0038
CAS Number:	1270153-04-2	Expiry Date:	Aug 10, 2030
Molecular Formula:	C ₁₃ H ₁₈ N ₂ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	250.29	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.828%
Loss on Drying	TGA	0.1446%
Assay		99.7%

Comment:

The calculation of the mass balance 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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 11, 2026

Date: Aug 11, 2026

Date: Aug 11, 2026



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