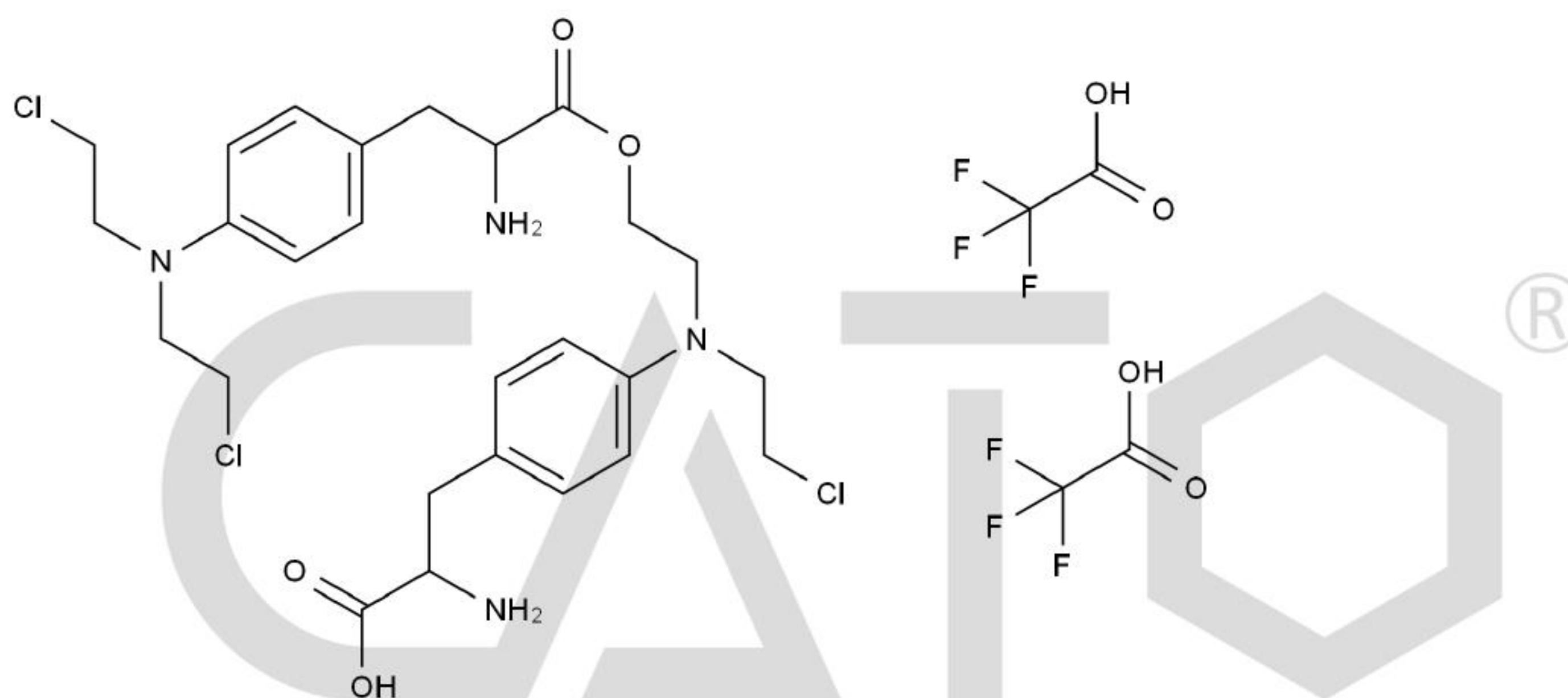


Certificate of Analysis

Reference Material & Standard

Product Name:	Rac-Melphalan EP Impurity G Ditrifluoroacetate (Rac-Melphalan Dimer Ditrifluoroacetate)	Catalogue Number:	C4X-19887
Synonyms:	N/A	Lot Number:	1226-RF-0062
CAS Number:	N/A	Expiry Date:	Dec 30, 2027
Molecular Formula:	C ₂₆ H ₃₅ Cl ₃ N ₄ O ₄ 2*C ₂ HF ₃ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	573.94 2*114.02	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&FNMR&HNMR	Confirmed
Purity	HPLC	98.074%
Loss On Drying	TGA	2.3539%
Assay		95.8%

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: Dec 31, 2024

Date: Dec 31, 2024

Date: Dec 31, 2024

