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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Melphalan EP Impurity G**

### Identification:

Chemical Name: 4-[[2-[[4-[Bis(2-chloroethyl)amino]-L-phenylalanyl]oxy]ethyl](2-chloroethyl)amino]-L-phenylalanine ;  
;(S)-2-Amino-3-(4-((2-(((S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoyl)oxy)ethyl)(2-chloroethyl)amino)phenyl)propanoic acid

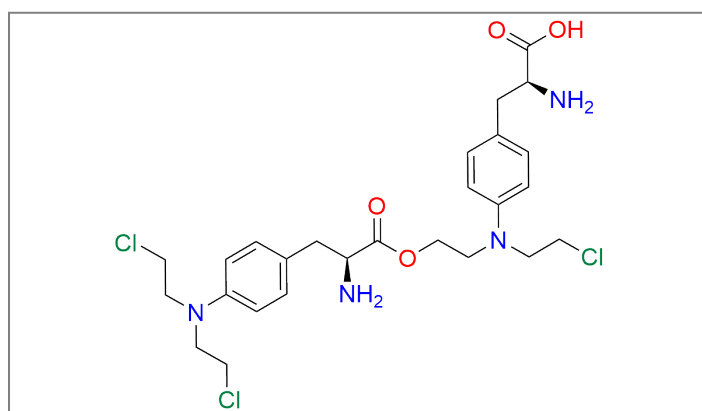
Synonyms : Melphalan Dimer

CAS Number : 2238824-43-4

CAT Number : CP-M9007

Molecular Formula : C<sub>26</sub>H<sub>35</sub>Cl<sub>3</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight : 573.94



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

### Prepared and Reviewed By

### Approved By



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.