

Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,  
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Talaja- MIDC, Opp. Dena Bank  
Navi Mumbai 410208, MH, INDIA. Email- [info@chemicea.com](mailto:info@chemicea.com) Mob- +91 9284897978

## CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2022

Re-test Date: Jun 2025

**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

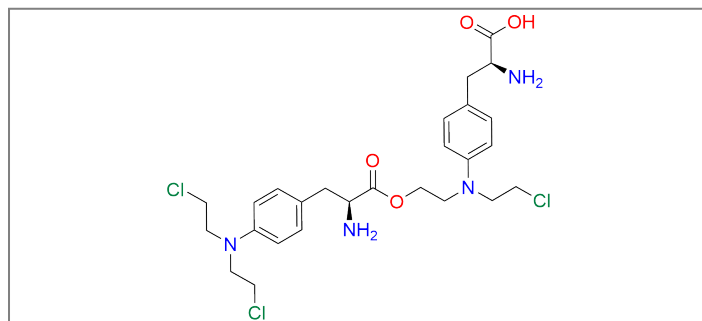
Molecular Formula : C<sub>26</sub>H<sub>35</sub>Cl<sub>3</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight : 573.94

Batch Number : CHEM-MEL-D

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow Sticky Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.19%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

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