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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Ortho Chlorambucil**

#### Identification:

Chemical Name: 4-(2-(bis(2-chloroethyl)amino)phenyl)butanoic acid Hydrochloride

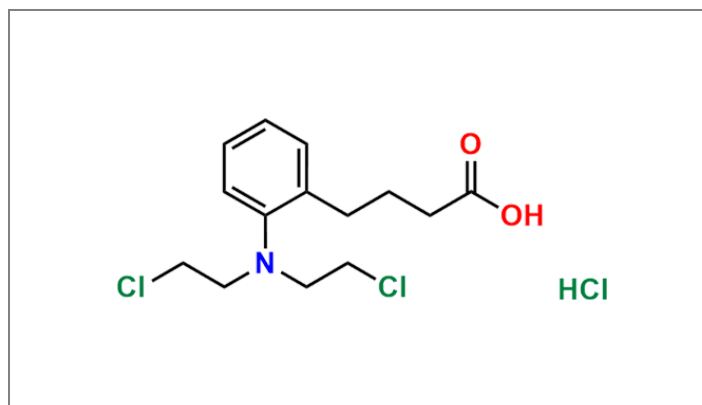
Synonyms : NA

CAS Number : 3276-07-1

CAT Number : CP-C66007

Molecular Formula : C<sub>14</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>2</sub> : HCl

Molecular Weight : 304.2 : 36.5



#### 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**

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.