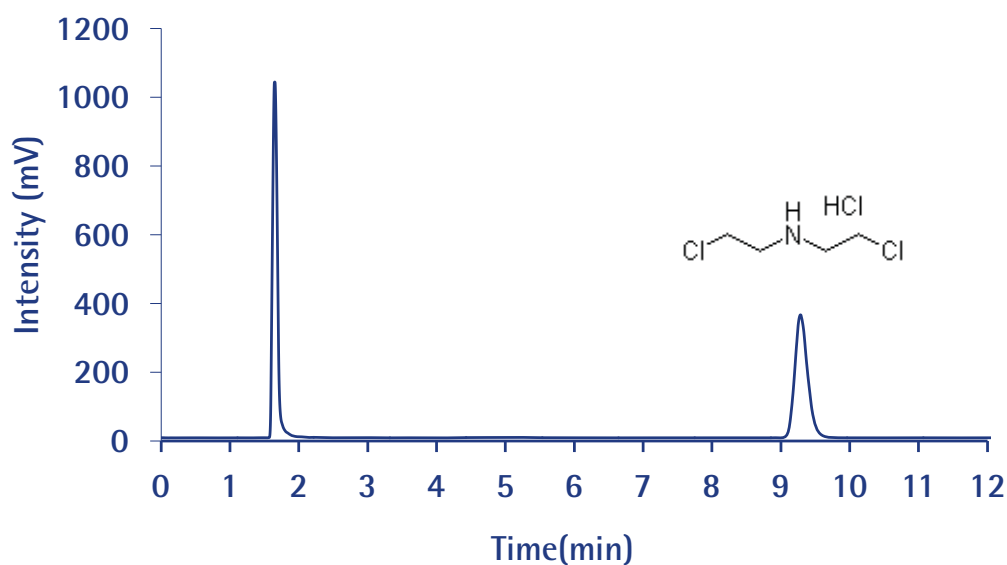


# Bis(2-chloroethyl)amine

## SeQuant® ZIC®-HILIC

### Chromatographic Conditions

|                     |                                                                                            |              |
|---------------------|--------------------------------------------------------------------------------------------|--------------|
| Column:             | SeQuant® ZIC®-HILIC (5 µm, 200 Å) 150x4.6 mm                                               | 1.50455.0001 |
| Injection:          | 10 µL                                                                                      |              |
| Detection:          | Agilent 1260, ELSD                                                                         |              |
| Flow Rate:          | 1.0 mL/min.                                                                                |              |
| Mobile Phase (v/v): | Acetonitrile and 50 mM ammonium acetate, pH 5.9) 85:15 (v/v). Total ionic strength: 7.5 mM |              |
| Temperature:        | 30 °C                                                                                      |              |
| Diluent             | Mobile phase                                                                               |              |
| Sample:             | 0.5 mg/ml of Cyclophosphamide and Bis(2-chloroethyl)amine in diluent.                      |              |
| Pressure Drop:      | 80 bar (1200 psi)                                                                          |              |



### Chromatographic Data

| No. | Compound                | Time (min) | Retention Factor | Asymmetry |
|-----|-------------------------|------------|------------------|-----------|
| 1   | Cyclophosphamide (CTX)  | 1.6        | -                | -         |
| 2   | Bis(2-chloroethyl)amine | 9.3        | 11.5             | 1.10      |