Certificate of Analysis

Phosphoramide mustard (cyclohexanamine)

 Cat. No.:
 HY-137316A

 CAS No.:
 1566-15-0

 Batch No.:
 109653

Chemical Name: Phosphorodiamidic acid, N,N-bis(2-chloroethyl)-, compd. with cyclohexanamine (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{10}H_{24}Cl_2N_3O_2P$

Molecular Weight: 320.20

Storage: -20°C, protect from light, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

Chemical Structure:

$$\begin{array}{c|c} O & NH_2 \\ \hline OH & OH \\ \hline N & NH_2 \\ \hline \end{array}$$

ANALYTICAL DATA

Appearance: White to off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

Purity (NMR): ≥95.0%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA