Certificate of Analysis

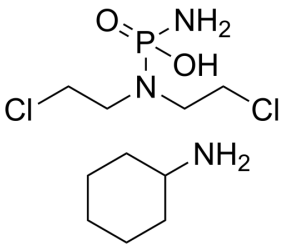
Phosphoramide mustard (cyclohexanamine)

Cat. No.:	HY-137316A
CAS No.:	1566-15-0
Batch No.:	104572
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:



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.

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