

2-CHLOROETHYLAMINE HYDROCHLORIDE

PRODUCT IN FOCUS



2-Chloroethylamine Hydrochloride

INTRODUCTION

2-Chloroethylamine hydrochloride is a colourless to off-white solid. It consists of an alkylamine attached to a Chlorine atom. It is a member of the Chloroalkylamines. It is a highly corrosive material to both skin and metals thus it must be handled with extreme care.

Manufacture

The synthesis method of 2-chloroethylamine hydrochloride mainly comprises a synthesis method of ethanolamine hydrochloride and thionyl chloride and a synthesis method of ethanolamine and hydrogen chloride.

APPLICATIONS

- ✔ Used as an intermediate in APIs
 - ✔ Ifosfamide - cytotoxic, antineoplastic
 - ✔ Fluvoxamine maleate – antidepressant
- ✔ Used as a reagent in the synthesis of 6-desfluoroquinolones as potential anti-HIV drugs.
- ✔ Also used as a reagent in the synthesis of Ellipticine derivatives as anticancer agents.
- ✔ Further, it is employed as a derivatizing reagent for amino acids, dipeptides and nucleotides.

Synonym	2-Aminoethyl chloride hydrochloride
CAS no.	870-24-6
EINECS no.	212-793-2
Molecular formula	$C_2H_7Cl_2N$
Molecular weight	115.99
Structure	

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SPECIFICATIONS

Test	Unit	Specification
Description	-	White to off white powder
Solubility	-	Soluble in water and methanol
Identification (by IR)	-	IR spectrum of the sample should correspond to that of the standard
Water content	% w/w	NMT 1.0
Ionic Chloride	% w/w	29.0 – 32.1
Assay (by Titrimetry – on anhydrous basis)	% w/w	98.0 – 102.0

Note: Material is highly hygroscopic, and it should be opened under nitrogen atmosphere only

PACKING

25 kg UN approved HDPE bag/drum.

STORAGE

Store in original container, protected from light and heat.

REACH Status

Not registered yet.

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.