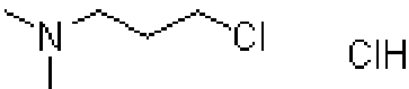


## SANGAM LABORATORIES Pvt Ltd.

### 3Dimethylaminopropylchloride hydrochloride

**Synonyms** : 3ChloroN,Ndimethylpropylamine hydrochloride; DMPC  
**Molecular Formula** : C<sub>5</sub>H<sub>12</sub>ClN.HCl  
**Formula Weight** : 158.07



**CAS Number** : 5407-04-5  
**Melting point** : 139-145°C

#### Hazard Symbol



#### Risk Description

**R22** : Harmful if swallowed.  
**R36/37/38** : Irritating to eyes, respiratory system and skin.  
**R52/53** : Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

#### Safety Description

**S26** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**S37/39** : Wear suitable gloves and eye/face protection.  
**S61** : Avoid release to the environment. Refer to special instructions / Safety data sheets.

## Product Specifications

Appearance	: white to yellowish crystalline powder Infrared spectrometry: authentic
Assay Total base	: 98.5 to 101.5 % (on dry substance)
Loss on drying	: <1 % (105°C, 3 hrs)
Chloride(Cl)	: 21.9 to 22.9 % (titr.)
Chlorine (Cl)	: 44 to 45.5 % (total)
Origin	: synthetic
Solubility in water	: soluble 2000 g/l in water (20°C)
Solubility in other solvents	: soluble in ethanol very soluble in methanol insoluble in toluene and acetone

## APPLICATIONS

3Dimethylaminopropylchloride hydrochloride is used to manufacture following Bulk drugs

- 1) Amitriptyline (Base and/or unspecified compound)
- 2) Chlorpromazine
- 3) Doxepin
- 4) Imipramine (Base and/or unspecified compound)
- 5) Maprotiline (Base and/or unspecified compound)
- 6) Melitracen
- 7) N-(3-chloropropyl)-dimethylamine hydrochloride
- 8) N,N,N',N'',N'''-Pentamethyldiethylenetriamine
- 9) Prothipendyl hydrochloride
- 10) Protriptyline

**PACKING** : 25 Kg/ 50 Kg HDPE Drums (UN Approved)

**HANDLING** : Being Hazardous chemical, Proper care has to be taken as  
Mentioned in Safety Description

**STORAGE** : Store in Cool and Dry place.