

## Ammonium chloride

## Chemical Properties

CAS No. :

Formula: ClH4N

Molecular Weight: 53.49

Storage: Powder -20°C for 3 years  
In solvent -80°C for 2 years

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Ammonium chloride, conforming to the analytical specifications of Ph. Eur. BP USP FCC (Salmiac, meets analytical specification of Ph. Eur. BP USP FCC), functions as an ionic compound for pH regulation, inducing intracellular alkalization and metabolic acidosis, which alters enzymatic activity and impacts biological systems. It serves as an autophagy inhibitor and also acts as a lysosomal inhibitor.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	18.6951 mL	93.4754 mL	186.9508 mL
5 mM	3.739 mL	18.6951 mL	37.3902 mL
10 mM	1.8695 mL	9.3475 mL	18.6951 mL
50 mM	0.3739 mL	1.8695 mL	3.739 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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