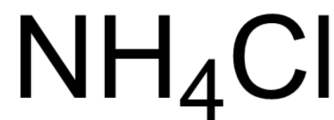


Ammonium chloride, for cell culture

Cat. No.:	HY-Y1269C
CAS No.:	12125-02-9
Molecular Formula:	ClH ₄ N
Molecular Weight:	53.49
Target:	Biochemical Assay Reagents; Autophagy
Pathway:	Others; Autophagy
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (1869.51 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		18.6951 mL	93.4754 mL	186.9508 mL
	5 mM		3.7390 mL	18.6951 mL	37.3902 mL
	10 mM		1.8695 mL	9.3475 mL	18.6951 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ammonium chloride, for cell culture (Salmiac, for cell culture) is a reagent that can be used in cell culture to provide a source of nitrogen. Ammonium chloride can be used as a heteropolar compound to regulate pH value, which can cause intracellular alkalination and metabolic acidosis, thus affecting the activity of enzymes and affecting the process of biological systems. Ammonium chloride acts as an autophagy inhibitor.

CUSTOMER VALIDATION

- Antiviral Res. 2023 Apr 17;105606.
- PLoS Pathog. 2024 Feb 14;20(2):e1011981.
- iScience. 2024 Mar 9.
- Virol J. 2022 Sep 20;19(1):151.
- Research Square Preprint. 2023 Jun 22.

See more customer validations on www.MedChemExpress.com

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

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