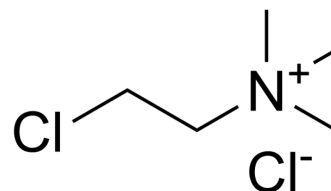


Chlorocholine chloride

Cat. No.:	HY-B1886
CAS No.:	999-81-5
Molecular Formula:	C ₅ H ₁₃ Cl ₂ N
Molecular Weight:	158.07
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Chlorocholine chloride is an effective plant growth regulator. Chlorocholine chloride can inhibit gibberellin (GA) biosynthesis. Chlorocholine chloride can be used for the research of the mechanisms and effects of GA on plant cell growth and differentiation ^{[1][2]} .
In Vivo	CCC300 mg/L increases the biomass of leaves and stems, substantially enhances the sucrose contents in leaves and decreases gibberellic acid (GA) but increases indole-3-acetic acid (IAA) contents in lily bulbs ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Saadia Shaukat, et al. Hydration and ion association of aqueous choline chloride and chlorocholine chloride. *Phys Chem Chem Phys*. 2019 Jun 7;21(21):10970-10980.
- [2]. Ri-ru Zheng, et al. Chlorocholine chloride and paclobutrazol treatments promote carbohydrate accumulation in bulbs of *Lilium Oriental* hybrids 'Sorbonne'. *J Zhejiang Univ Sci B*. 2012 Feb;13(2):136-44.

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

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