

Product Name:	Chlorocholine chloride
Product Number:	C120
CAS Number:	999-81-5
Molecular Formula:	$(\text{CH}_3)_3\text{N}(\text{Cl})\text{CH}_2\text{CH}_2\text{Cl}$
Molecular Weight:	158.07
Appearance:	Powder
Water Content (Karl Fischer):	$\leq 1.5\%$
pH:	3.5-7.5
Description:	Chlorocholine (chlormequat) chloride (CCC) is a plant hormone inhibitor frequently used to promote desirable plant growth characteristics typically those which increase crop yield.
Mechanism of Action:	Chlorocholine chloride (CCC) inhibits gibberellin (GA) hormone biosynthesis (Cao and Shannon, 1997).
Plant Biology Applications	As a GA biosynthesis inhibitor, CCC can be used for different purposes including <i>in vitro</i> potato tuberization (Hussain et al., 2006).
References:	<p>Cao H., Shannon J.C., 1997. Effect of Gibberellin on Growth, Protein Secretion, and Starch Accumulation in Maize Endosperm Suspension Cells. <i>J Plant Growth Regul</i> (1997) 16:137–140.</p> <p>Hussain I., Chaudhry Z., Muhammad A., Aasghar R., Naqvi S.M.S. and Rashid H., 2006. Effect of chlorocholine chloride, sucrose and BAP on <i>in vitro</i> tuberization in potato (<i>Solanum Tuberosum</i> L. cv. Cardinal. <i>Pak. J. Bot.</i>, 38(2): 275-282, 2006.</p>