

<b>Product Name:</b>	Choline chloride, USP
<b>Product Number:</b>	C086
<b>CAS Number:</b>	67-48-1
<b>Molecular Formula:</b>	$C_5H_{14}ClNO$
<b>Molecular Weight:</b>	139.62
<b>Form:</b>	Powder
<b>Appearance:</b>	White Crystalline Powder
<b>Source:</b>	Synthetic
<b>Water Content (Karl Fischer):</b>	$\leq 0.5\%$
<b>pH:</b>	4.0-7.0
<b>Storage Conditions:</b>	2-8°C
<b>Description:</b>	Choline chloride is an essential nutrient commonly found in eggs, chicken, and number of other foods. Choline chloride is soluble in aqueous solution at 3.7 mg/mL.
<b>Mechanism of Action:</b>	Choline serves as a precursor component to two major cell membrane components: phosphatidylcholine and sphingomyelin. In addition, choline also functions as a methyl group donor to several different substrates.
<b>Microbiology Applications</b>	Because of its role in normal cellular processes, choline chloride can be used as a cell culture media supplement.

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