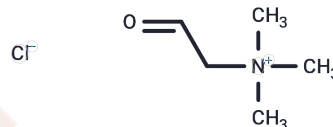


## Betaine Aldehyde (chloride)

## Chemical Properties

CAS No. :	7758-31-8
Formula:	C <sub>5</sub> H <sub>12</sub> ClNO
Molecular Weight:	137.608
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Betaine aldehyde is the physiological intermediate in the oxidation of choline to betaine. This step is involved in glycine, serine, and threonine metabolism.
Targets(IC50)	Others

## Solubility Information

Solubility	PBS (pH 7.2): 5 mg/mL (36.34 mM),Sonication is recommended. DMSO: 1 mg/mL (7.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2669 mL	36.3346 mL	72.6691 mL
5 mM	1.4534 mL	7.2669 mL	14.5338 mL
10 mM	0.7267 mL	3.6335 mL	7.2669 mL
50 mM	0.1453 mL	0.7267 mL	1.4534 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.

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