## Data Sheet (Cat.No.T35625)



### Aminoacetone (hydrochloride)

Chemical Proper	ties
CAS No. :	7737-17-9
Formula:	C3H8ClNO H <sub>2</sub> N —
Molecular Weight:	109.56 енсі Сн <sub>з</sub>
Appearance: 🦲	no data available o'
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

# Biological Description Description Aminoacetone is a threonine and glycine catabolite that can be converted to methylglyoxal by amine oxidases. It has been identified as one of several endogenous sources of methylglyoxal found in the plasma of diabetes patients. As a pro-oxidant, 0.10-5 mM aminoacetone can induce cell death in RINm5f pancreatic β-cells. Aminoacetone is used as a growth substrate for Pseudomonas.

Solubility Information	
Solubility	PBS (pH 7.2): 10 mg/mL Ethanol: 10 mg/mL DMF: 25 mg/mL DMSO: 15 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.1274 mL	45.6371 mL	91.2742 mL
5 mM	1.8255 mL	9.1274 mL	18.2548 mL
10 mM	1 0.9127 mL	4.5637 mL	9.1274 mL
50 mM	1 0.1825 mL	0.9127 mL	1.8255 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.

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