

## Acetic acid potassium 99%

<b>Cat. No.:</b>	HY-Y0319B
<b>CAS No.:</b>	127-08-2
<b>Molecular Formula:</b>	C <sub>2</sub> H <sub>3</sub> KO <sub>2</sub>
<b>Molecular Weight:</b>	98
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (1020.41 mM; Need ultrasonic)  
DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	10.2041 mL	51.0204 mL	102.0408 mL
	5 mM	2.0408 mL	10.2041 mL	20.4082 mL
	10 mM	1.0204 mL	5.1020 mL	10.2041 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Acetic acid potassium 99% is a potassium salt employed to replenish electrolytes, for restoration of water-electrolyte balance. Acetic acid potassium 99% can employ in DNA and protein purification. Acetic acid potassium 99% has been used to prepare neutralizing solution for alkaline lysis of bacteria<sup>[1][2]</sup>.

### REFERENCES

- [1]. Sokolov BP, et al. Vydelenie vysokomolekuliarnoj éukarioticheskoj DNK s ispol'zovaniem atsetata kalija [Isolation of high molecular weight eukaryotic DNA with the use of potassium acetate]. Mol Gen Mikrobiol Virusol. 1989;(6):45-46.
- [2]. Shan G, et al. Purification of total DNA extracted from activated sludge. J Environ Sci (China). 2008;20(1):80-87.

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

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