

Potassium chloride, AR, 99.5%

Cat. No.:	HY-Y0537		
CAS No.:	7447-40-7		
Molecular Formula:	ClK		
Molecular Weight:	74.55		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

KCl

SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (670.69 mM; Need ultrasonic)

DMSO : 1 mg/mL (13.41 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	Mass		
	1 mM	13.4138 mL	67.0691 mL	134.1382 mL
	5 mM	2.6828 mL	13.4138 mL	26.8276 mL
	10 mM	1.3414 mL	6.7069 mL	13.4138 mL

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

BIOLOGICAL ACTIVITY

Description

Potassium chloride,AR,99.5% is extensively used as a potassium supplement. Potassium chloride,AR,99.5% is a readily available potassium fertilizer^[1].

REFERENCES

[1]. Saxena K. Clinical features and management of poisoning due to potassium chloride. Med Toxicol Adverse Drug Exp. 1989;4(6):429-443.

[2]. Fujimura S, et al. The inhibitory effects of potassium chloride versus potassium silicate application on (137)Cs uptake by rice. J Environ Radioact. 2016;153:188-194.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA