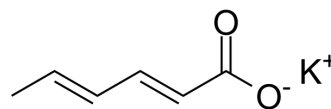


Potassium sorbate

Cat. No.:	HY-N0626A
CAS No.:	24634-61-5
Molecular Formula:	C ₆ H ₇ KO ₂
Molecular Weight:	150.22
Target:	Endogenous Metabolite; Fungal; Bacterial; Antibiotic
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	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

H₂O : 50 mg/mL (332.85 mM; Need ultrasonic)
DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	6.6569 mL	33.2845 mL	66.5690 mL
5 mM	1.3314 mL	6.6569 mL	13.3138 mL		
10 mM	0.6657 mL	3.3285 mL	6.6569 mL		

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

BIOLOGICAL ACTIVITY

Description

Potassium sorbate (Sorbic acid potassium) is a highly efficient, and nonpoisonous food preservatives. Potassium sorbate generally is an effective inhibitor of most molds and yeasts and some bacteria^[1].

REFERENCES

[1]. Liewen MB, et al. Growth and Inhibition of Microorganisms in the Presence of Sorbic Acid: A Review. J Food Prot. 1985 Apr;48(4):364-375.

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

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