

Product Data Sheet

Product Name: Potassium Gluconate

Cat. No.: GC64616

Chemical Properties

Cas. No. 299-27-4

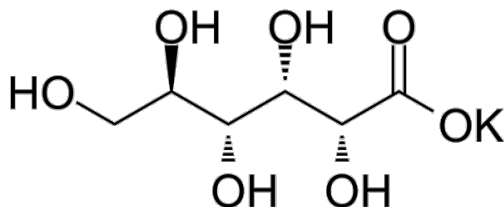
Formula $C_6H_{11}KO_7$ M.Wt 234.25

Solubility H_2O : 100 mg/mL (426.89 mM; Need ultrasonic); DMSO : 1.25 mg/mL (5.34 mM; ultrasonic and warming and heat to 80°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Potassium Gluconate (Potassium D-gluconate) is an orally active carboxylic acid by the oxidation with antiseptic and chelating properties[1].

Potassium Gluconate, a simple sugar acid, is the most significant antifungal metabolite produced by *Pseudomonas. str. AN5* against the take-all fungal pathogen in biocontrol protection[1].

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

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[1]. Kaur R, et al. Gluconic acid: an antifungal agent produced by Pseudomonas species in biological control of take-all. Phytochemistry. 2006 Mar;67(6):595-604.

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