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**Product Data Sheet**

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Product Name: Potassium Gluconate

Cat. No.: GC64616

**Chemical Properties**

Cas. No. 299-27-4

Formula C<sub>6</sub>H<sub>11</sub>KO<sub>7</sub>

M.Wt 234.25

Solubility H<sub>2</sub>O : 100 mg/mL (426.89 mM; Need ultrasonic); DMSO : Store  
1.25 mg/mL (5.34 mM; ultrasonic and warming and heat to 80°C) Storage 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].

[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.

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

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