

Product Data Sheet

Product Name: Glucosamine sulfate potassium chloride

Cat. No.: GC81602

Chemical Properties

Cas. No. 1296149-08-0

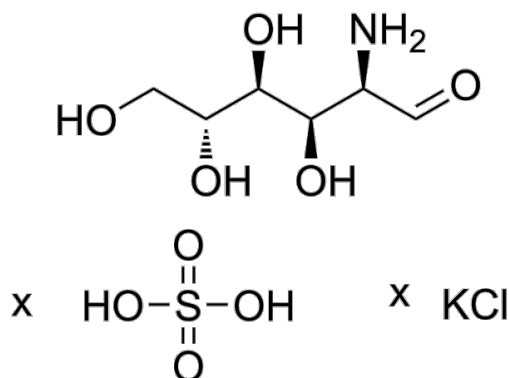
Formula $C_6H_{13}NO_5 \cdot xClK \cdot xH_2O_4S$ M.Wt

Solubility H_2O : 100 mg/mL (Need ultrasonic) Storage Store at room temperature, keep dry and cool

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

Glucosamine sulfate potassium chloride is an amino sugar and a prominent precursor in the biochemical synthesis of glycosylated proteins and lipids, is used as a dietary supplement. Glucosamine sulfate potassium chloride also is a natural constituent of glycosaminoglycans in the cartilage matrix and synovial fluid, which when administered exogenously, exerts pharmacological effects on osteoarthritic cartilage and chondrocytes [1].

References:

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[1]. Bruyère O, et al. Efficacy and safety of glucosamine sulfate in the management of osteoarthritis: Evidence from real-life setting trials and surveys. Semin Arthritis Rheum. 2016 Feb;45(4 Suppl):S12-7.

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