
Product Data Sheet

Product Name: Phosphocreatine disodium tetrahydrate

Cat. No.: GC36899

Chemical Properties

Cas. No. 71519-72-7

SMILES O=C(O)CN(C(NP(O[Na])(O[Na])=O)=N)C.O.O.O.O

Formula $C_4H_{16}N_3Na_2O_9P$ M.Wt 327.14

Solubility Soluble in DMSO 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

Phosphocreatine disodium tetrahydrate, primarily found in the skeletal muscles of vertebrates and one of organic compounds known as alpha amino acids and derivatives, is a substrate for the determination of creatine kinase and used to regenerate ATP during skeletal muscle contraction[1].

[1]. Feldman EB, et al. Creatine: a dietary supplement and ergogenic aid. Nutr Rev. 1999 Feb;57(2):45-50.

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