

Product Data Sheet

Product Name: Creatine
Cat. No.: GC33777

Chemical Properties

Cas. No. 57-00-1

SMILES O=C(O)CN(C)C(N)=N

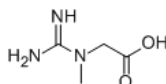
Formula C4H9N3O2 M.Wt 131.14

Solubility Water : 16.67 mg/mL (127.12 mM) 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

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

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Creatine, an endogenous amino acid derivative, plays an important role in cellular energy, especially in muscle and brain.

[1]. Nouioua S, et al. Creatine deficiency syndrome. A treatable myopathy due to arginine-glycine amidinotransferase (AGAT) deficiency. Neuromuscul Disord. 2013 Aug;23(8):670-4.

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