

Creatine monohydrate

Chemical Properties

CAS No.:	6020-87-7
Formula:	C ₄ H ₁₁ N ₃ O ₃
Molecular Weight:	149.15
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Creatine is a key player in the phosphagen energy system, which is the primary source of ATP during high intensity, short-term activities.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.705 mL	33.523 mL	67.047 mL
5 mM	1.341 mL	6.705 mL	13.409 mL
10 mM	0.67 mL	3.352 mL	6.705 mL
50 mM	0.134 mL	0.67 mL	1.341 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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