



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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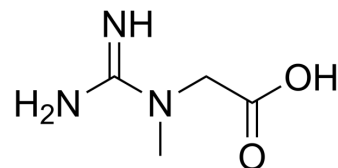
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Creatine

Cat. No.:	HY-W010388		
CAS No.:	57-00-1		
Molecular Formula:	C ₄ H ₉ N ₃ O ₂		
Molecular Weight:	131.14		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 6.25 mg/mL (47.66 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.6254 mL	38.1272 mL	76.2544 mL
		5 mM	1.5251 mL	7.6254 mL	15.2509 mL
10 mM		0.7625 mL	3.8127 mL	7.6254 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 20 mg/mL (152.51 mM); Clear solution; Need ultrasonic and warming and heat to 60°C				

BIOLOGICAL ACTIVITY

Description	Creatine, an endogenous amino acid derivative, plays an important role in cellular energy, especially in muscle and brain.	
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Toxicol Appl Pharmacol. 9 March 2022, 115971.

See more customer validations on www.MedChemExpress.com

REFERENCES

[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.

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

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