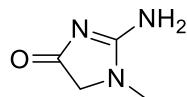


Creatinine

Code No.: **BIA-C2636**

Pack sizes: **25 mg, 100 mg**



Synonyms : Creatine, N-(Aminoiminomethyl)-N-methylglycine

Specifications

CAS #	: 60-27-5
Molecular Formula	: C₄H₇N₃O
Molecular Weight	: 113.1
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Creatinine is an endogenous breakdown product of creatine used to measure kidney function. Creatinine has antibacterial activity against Gram-positive and Gram-negative bacteria, including resistant strains. Creatinine may impact the ability of immune cells to sense a wide array of viral and bacterial pathogens and may also have immunosuppressive properties similar to those of creatine.

References

1. Creatinine inhibits bacterial replication. McDonal T. et al. J Antibiot. 2012, 65, 153.
2. Effect of creatine, creatinine and creatine ethyl ester of TLR expression in macrophages. Leland K.M. et al. Int Immunopharmacol. 2011, 11, 1341.