

Data Sheet

Product Information

Catalog Number	BP13635
Product Name	RGX-202
Description	3-Guanidinopropionic acid is a creatine analog that alters skeletal muscle energy expenditure. It reduces cellular ATP, creatine, and phosphocreatine levels and stimulates AMP-activated protein kinase (AMPK), activating PPAR γ coactivator 1 α (PGC-1 α).
In vitro	3-Guanidinopropionic acid evokes a shift from glycolytic to oxidative metabolism, increased cellular glucose uptake, and increased fatigue tolerance
In vivo	3-Guanidinopropionic Acid(β -GPA) downregulated the expression of the β -oxidation genes. Administration of β -GPA in mice for 3 weeks improved the animals' physical strength and endurance health, ie, increased their physical strength and endurance and alleviated anxiety. β -GPA might be considered an adaptogene affecting both the muscle and brain metabolism in mammals.
Synonyms	3-Guanidinopropionic Acid, β -GPA
CAS No.	353-09-3
Chemical Formula	C ₄ H ₉ N ₃ O ₂
Molecular Weight	131.135
Solubility	DMSO: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	
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