



LKT Laboratories, Inc.

γ -Amino Butyric Acid

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Product Information

Product ID G0048
CAS No. 56-12-2
Chemical Name 4-Aminobutanoic acid

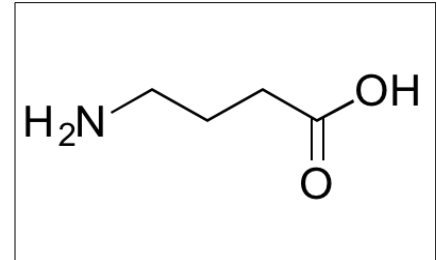
Synonym γ -Aminobutyric acid, Gammalon, GABA, gamma-amino butyric acid

Formula C₄H₉NO₂
Formula Wt. 103.12
Melting Point 202° C(dec)
Purity \geq 98%

Solubility Soluble in water. Practically insoluble in other solvents.

Store Temp Ambient
Ship Temp Ambient

Description γ -Aminobutyric acid (GABA) is an endogenous neurotransmitter that controls neuronal excitability, muscle tone, stem cell growth, brain development, and mood. During development, GABA acts as an excitatory neurotransmitter but switches later to an inhibitory function. GABA displays anxiolytic, anticonvulsant, and amnesic activities, inducing relaxation and decreasing anxiety in clinical settings.



Bulk quantities available upon request

Product ID	Size
G0048	10 g
G0048	25 g
G0048	100 g

References Li K, Xu E. The role and the mechanism of gamma-aminobutyric acid during central nervous system development. *Neurosci Bull.* 2008 Jun;24(3):195-200. PMID: 18500393.

Abdou AM, Higashiguchi S, Horie K, et al. Relaxation and immunity enhancement effects of gamma-aminobutyric acid (GABA) administration in humans. *Biofactors.* 2006;26(3):201-8. PMID: 16971751.

Foster AC, Kemp JA. Glutamate- and GABA-based CNS therapeutics. *Curr Opin Pharmacol.* 2006 Feb;6(1):7-17. PMID: 16377242.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.