



LKT Laboratories, Inc.

L-Allylglycine

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Product Information

Product ID A454470
CAS No. 16338-48-0
Chemical Name L-Allylglycine

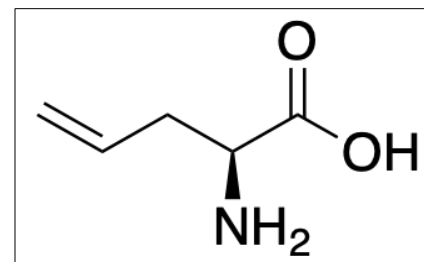
Synonym (S)-2-aminopent-4-enoic acid, (S)-(-)-2-Amino-4-pentenoic acid, (S)-ALLYLGLYCINE

Formula C₅H₉NO₂
Formula Wt. 115.13

Melting Point

Purity ≥98%

Solubility Soluble in water-100 mg/mL.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A454470	1 g	\$204.40
A454470	5 g	\$715.60

Store Temp 4°C

Ship Temp Ambient

Description L-Allylglycine is an inhibitor of glutamic acid decarboxylase (GAD). It is used to study a variety of topics in neuroscience, including attention and impulse control, fear, and anxiety. Allylglycine is used to induce seizures in animal models in order to study treatment-resistant seizure.

References Thomas J., Yang Y. Allylglycine-induced seizures in male and female rats. *Physiol Behav.* 49(6):1181-3 (1991). PMID: 1654571.

Paine T., Cooke E., et al. Effects of chronic inhibition of GABA synthesis on attention and impulse control. *Pharmacol Biochem Behav.* 135:97-104 (2015). PMID: 26044967.

Cunha J., Zanoveli J., et al. L-allylglycine dissociates the neural substrates of fear in the periaqueductal gray of rats. *Brain Res Bull.* 81(4-5):416-23 (2010). PMID: 19800953.

Leclercq K, Afrikanova T, Langlois M, et al. Cross-species pharmacological characterization of the allylglycine seizure model in mice and larval zebrafish. *Epilepsy Behav.* 2015 Apr;45:53-63. PMID: 25845493.

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