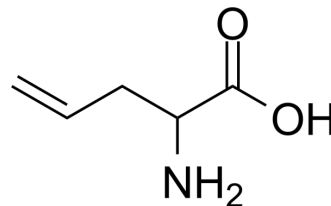


DL-Allylglycine

Cat. No.:	HY-W023493		
CAS No.:	7685-44-1		
Molecular Formula:	C ₅ H ₉ NO ₂		
Molecular Weight:	115.13		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5.56 mg/mL (48.29 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	8.6858 mL	43.4292 mL	86.8583 mL
	5 mM	1.7372 mL	8.6858 mL	17.3717 mL
	10 mM	0.8686 mL	4.3429 mL	8.6858 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

DL-Allylglycine (2-Aminopent-4-enoic acid) is a glutamate decarboxylase (GAD) inhibitor. DL-Allylglycine has convulsant activity that can be used in studies to induce epileptic seizures^{[1][2]}.

IC₅₀ & Target

Glutamate Decarboxylase (GAD)^[1]

REFERENCES

[1]. Castellano C, et al. Effects of DL-allylglycine, alone or in combination with morphine, on passive avoidance behaviour in C57BL/6 mice. Arch Int Pharmacodyn Ther. 1984 Jan;267(1):141-8.

[2]. Meldrum BS, et al. Proconvulsant, convulsant and other actions of the D- and L-stereoisomers of allylglycine in the photosensitive baboon, Papio papio. Electroencephalogr Clin Neurophysiol. 1979 Oct;47(4):383-95.

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

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