# RedChemExpress

## Certificate of Analysis

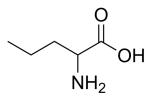
### **DL-Norvaline**

Cat. No.:	HY-W010510
CAS No.:	760-78-1
Batch No.:	309395
Chemical Name:	Norvaline

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_5H_{11}NO_2$		
Molecular Weight:	117.15		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

#### **Chemical Structure:**



#### **ANALYTICAL DATA**

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥98.0%
OR(C=1.21 g/100ml, 5N HCL ):	0.35°
Water(KF):	0.59%
Conclusion:	The product has been tested and complies with the given specifications.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA