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## Certificate of Analysis

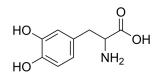
### **DL-Dopa**

Cat. No.:	HY-113404
CAS No.:	63-84-3
Batch No.:	128362
Chemical Name:	Tyrosine, 3-hydroxy-

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_9H_{11}NO_4$		
Molecular Weight:	197.19		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

#### **Chemical Structure:**



#### **ANALYTICAL DATA**

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (NMR):	≥98.0%
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.

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