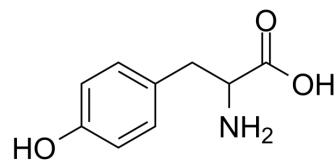


## DL-Tyrosine

<b>Cat. No.:</b>	HY-Y0123		
<b>CAS No.:</b>	556-03-6		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	181.19		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

0.1 M NaOH : 10 mg/mL (55.19 mM; ultrasonic and warming and adjust pH to 10 with NaOH and heat to 60°C)  
 0.1 M HCL : 5 mg/mL (27.60 mM; ultrasonic and warming and adjust pH to 2 with HCl and heat to 60°C)  
 H<sub>2</sub>O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)  
 DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.5191 mL	27.5953 mL	55.1907 mL
	5 mM	1.1038 mL	5.5191 mL	11.0381 mL
	10 mM	0.5519 mL	2.7595 mL	5.5191 mL

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

### BIOLOGICAL ACTIVITY

#### Description

DL-Tyrosine is an aromatic nonessential amino acid synthesized from the essential amino acid phenylalanine. DL-Tyrosine is a precursor for several important neurotransmitters (epinephrine, norepinephrine, dopamine)<sup>[1]</sup>.

### REFERENCES

[1]. ClementeBretti, et al. Some thermodynamic properties of dl-Tyrosine and dl-Tryptophan. Effect of the ionic medium, ionic strength and temperature on the solubility and acid-base properties. Fluid Phase Equilibria.

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

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