# L-Tyrosine disodium salt

Cat. No.:	HY-N0473A
CAS No.:	69847-45-6
Molecular Formula:	C <sub>9</sub> H <sub>9</sub> NNa <sub>2</sub> O <sub>3</sub>
Molecular Weight:	225.15
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	<b>4°C, stored under nitrogen</b> * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

## SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	aring Solutions	1 mM	4.4415 mL	22.2074 mL	44.4148 mL
		5 mM	0.8883 mL	4.4415 mL	8.8830 mL
		10 mM	0.4441 mL	2.2207 mL	4.4415 mL

BIOLOGICAL ACTIVITY						
Description	L-Tyrosine (disodium) is a tyrosine derivative <sup>[1]</sup> .					
IC <sub>50</sub> & Target	Microbial Metabolite	Human Endogenous Metabolite				
In Vitro	Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.					

## CUSTOMER VALIDATION

• Microbiome. 2019 Mar 20;7(1):43.

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NaO

0

NH<sub>2</sub>

ONa



#### REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

### 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