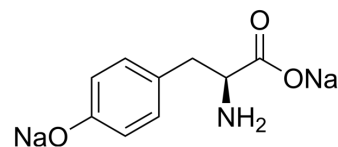


## L-Tyrosine disodium salt

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



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (444.15 mM; Need ultrasonic)

| Concentration | Mass      |            |            |  |
|---------------|-----------|------------|------------|--|
|               | 1 mg      | 5 mg       | 10 mg      |  |
| 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  |  |

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

### 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.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

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[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.

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

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