L-Tyrosine disodium salt

Cat. No.: HY-N0473A

CAS No.: 69847-45-6

Molecular Formula: $C_9H_9NNa_2O_3$

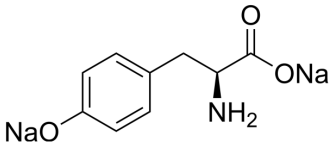
Molecular Weight: 225.15

Target: Amino Acid Derivatives

Pathway: Others

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (444.15 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	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[1].

IC_{50} & 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[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Microbiome. 2019 Mar 20;7(1):43.
- Acta Pharm Sin B. 2024 Apr 23.

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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.

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