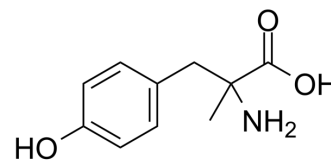


α-Methyl-p-tyrosine

Cat. No.:	HY-33549
CAS No.:	658-48-0
Molecular Formula:	C ₁₀ H ₁₃ NO ₃
Molecular Weight:	195.22
Target:	Others
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

H₂O : 2 mg/mL (10.24 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.1224 mL	25.6121 mL	51.2243 mL
	5 mM		1.0245 mL	5.1224 mL	10.2449 mL
	10 mM		0.5122 mL	2.5612 mL	5.1224 mL

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

BIOLOGICAL ACTIVITY

Description

α-Methyl-p-tyrosine is a competitive inhibitor of the enzyme tyrosine hydroxylase, which converts tyrosine to Levodopa (DOPA). α-Methyl-p-tyrosine is an orally active inhibitor of catecholamine synthesis which inhibits the hydroxylation of tyrosine to DOPA^[1].

REFERENCES

[1]. R N Brogden, et al. alpha-Methyl-p-tyrosine: a review of its pharmacology and clinical use. Drugs. 1981 Feb;21(2):81-9.

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

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