

α -Methyltyrosine methyl ester hydrochloride

Cat. No.: HY-W013407

CAS No.: 7361-31-1

Molecular Formula: $C_{11}H_{16}ClNO_3$

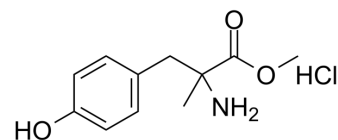
Molecular Weight: 245.7

Target: Others

Pathway: Others

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (101.75 mM; Need ultrasonic)

DMSO : 9.09 mg/mL (37.00 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.0700 mL	20.3500 mL	40.7000 mL
	5 mM		0.8140 mL	4.0700 mL	8.1400 mL
	10 mM		0.4070 mL	2.0350 mL	4.0700 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline

Solubility: ≥ 0.91 mg/mL (3.70 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)

Solubility: ≥ 0.91 mg/mL (3.70 mM); Clear solution

3. Add each solvent one by one: 10% DMSO >> 90% corn oil

Solubility: ≥ 0.91 mg/mL (3.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

α -Methyltyrosine methyl ester hydrochloride is a competitive tyrosine hydroxylase inhibitor that inhibits the conversion of tyrosine to dopamine. α -Methyltyrosine methyl ester hydrochloride can be used as a tool for sympathetic nervous system research^[1].

REFERENCES

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