# N-Methyltyramine hydrochloride

**Cat. No.:** HY-W153159

**CAS No.:** 13062-76-5

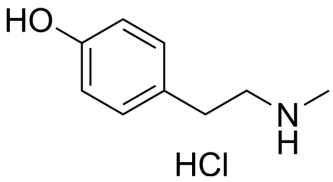
**Molecular Formula:** $C_9H_{14}ClNO$

**Molecular Weight:** 187.67

**Target:** Others

**Pathway:** Others

**Storage:** -20°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**

DMSO : 100 mg/mL (532.85 mM; Need ultrasonic)
$H_2O$ : 25 mg/mL (133.21 mM; ultrasonic and warming and heat to 60°C)

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 5.3285 mL | 26.6425 mL | 53.2850 mL |
| 5 mM | 1.0657 mL | 5.3285 mL | 10.6570 mL |
| 10 mM | 0.5329 mL | 2.6643 mL | 5.3285 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: ≥ 2.5 mg/mL (13.32 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (13.32 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (13.32 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description** N-Methyltyramine (hydrochloride) can be isolated from the plants of the Citrus genus.

## REFERENCES

[1]. Luigi Servillo, et al. N-methylated derivatives of tyramine in citrus genus plants: identification of N,N,N-trimethyltyramine (candicine). J Agric Food Chem. 2014, 62, 12.

**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