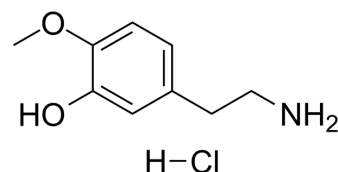


## 4-O-Methyldopamine hydrochloride

Cat. No.:	HY-W041498
CAS No.:	645-33-0
Molecular Formula:	C <sub>9</sub> H <sub>14</sub> ClNO <sub>2</sub>
Molecular Weight:	203.67
Target:	Others
Pathway:	Others
Storage:	Powder    -20°C    3 years 4°C    2 years In solvent   -80°C    6 months -20°C    1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (490.99 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.9099 mL	24.5495 mL	49.0990 mL
	5 mM		0.9820 mL	4.9099 mL	9.8198 mL
	10 mM		0.4910 mL	2.4550 mL	4.9099 mL

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

### BIOLOGICAL ACTIVITY

#### Description

4-O-Methyldopamine hydrochloride is a catecholamine compound that has an inhibitory effect on dihydropteridine reductase<sup>[1]</sup>.

### REFERENCES

[1]. R S Shen, et al. Inhibition of dihydropteridine reductase by catecholamines and related compounds. Biochim Biophys Acta. 1983 Feb 28;743(1):129-35.

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

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