# 3-O-Methyl-DL-DOPA

Cat. No.: HY-113468 CAS No.: 7636-26-2 Molecular Formula: C<sub>10</sub>H<sub>13</sub>NO<sub>4</sub> 211.21 Molecular Weight:

Target: **Endogenous Metabolite** Pathway: Metabolic Enzyme/Protease

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

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

**Product** Data Sheet

### **SOLVENT & SOLUBILITY**

In Vitro

H<sub>2</sub>O: 5 mg/mL (23.67 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	4.7346 mL	23.6731 mL	47.3462 mL
	5 mM	0.9469 mL	4.7346 mL	9.4692 mL
	10 mM	0.4735 mL	2.3673 mL	4.7346 mL

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

## **BIOLOGICAL ACTIVITY**

Description 3-O-Methyl-DL-DOPA is an endogenous metabolite present in Cerebrospinal\_Fluid that can be used for the research of 

In Vitro Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are

documented toxic properties for many of these metabolites<sup>[1]</sup>.

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

### REFERENCES

[1]. Darin N, et al. Mutations in PROSC Disrupt Cellular Pyridoxal Phosphate Homeostasis and Cause Vitamin-B6-Dependent Epilepsy. Am J Hum Genet. 2016 Dec

[2]. Ormazabal A, et al. Pyridoxal 5'-phosphate values in cerebrospinal fluid: reference values and diagnosis of PNPO deficiency in paediatric patients. Mol Genet Metab. 2008 Jun;94(2):173-7.



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