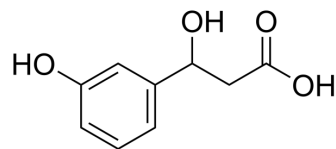


## 3-(3-Hydroxyphenyl)-3-hydroxypropanoic acid

<b>Cat. No.:</b>	HY-113231
<b>CAS No.:</b>	3247-75-4
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	182.17
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	3-(3-Hydroxyphenyl)-3-hydroxypropanoic acid is an endogenous metabolite present in Urine that can be used for the research of Autism <sup>[1][2]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Microbial Metabolite	Human Endogenous Metabolite
<b>In Vitro</b>	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]. Shaw W. Increased urinary excretion of a 3-(3-hydroxyphenyl)-3-hydroxypropionic acid (HPHPA), an abnormal phenylalanine metabolite of Clostridia spp. in the gastrointestinal tract, in urine samples from patients with autism and schizophrenia. *Nutr Neurosci.* 2010 Jun;13(3):135-43.
- [2]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. *Oncogene.* 2020 Aug;39(35):5709-5720.

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

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