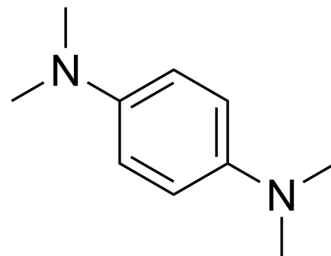


## N,N,N',N'-Tetramethyl-p-phenylenediamine

Cat. No.:	HY-W021358
CAS No.:	100-22-1
Molecular Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub>
Molecular Weight:	164.25
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

N,N,N',N'-Tetramethyl-p-phenylenediamine (TMPD) is a redox indicator. N,N,N',N'-Tetramethyl-p-phenylenediamine can be used for the research of impairment of cell respiration<sup>[1][2]</sup>.

### REFERENCES

[1]. Zhou S, Yao Y, et al. A cytochrome c-enhanced peroxidation reaction with potential use in screening dietary antioxidants. *J Pharm Biomed Anal.* 2004 Mar 10;34(5):1057-61.

[2]. Sarti P, et al. Permeability of rat heart myocytes to cytochrome c. *Cell Mol Life Sci.* 1999 Dec;56(11-12):1061-9.

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

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