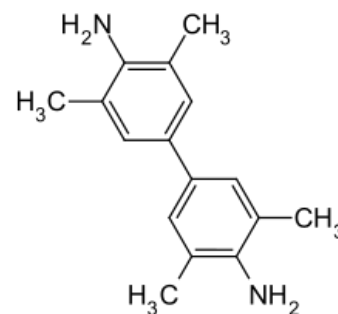
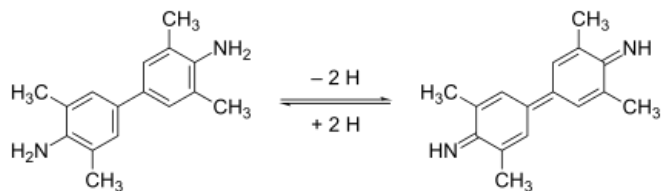


# Tetramethylbenzidine

**Tetramethylbenzidine** is used as a **chromogen** in detection systems based on the peroxidase and pseudoperoxidase reactions. In fact, in the presence of a suitable catalyst (peroxidase, complex-bound iron of haemoglobin or myoglobin), colourless tetramethylbenzidine is oxidised with hydrogen peroxide (or other hydroperoxide, e.g. cumene hydroperoxide) to benzidine blue:



Tetramethylbenzidine

## Links

### Bibliography

- National Center for Biotechnology Information. *PubChem Compound* [online]. [cit. 2009-10-09]. <[https://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=41206&loc=ec\\_rcs](https://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=41206&loc=ec_rcs)>.