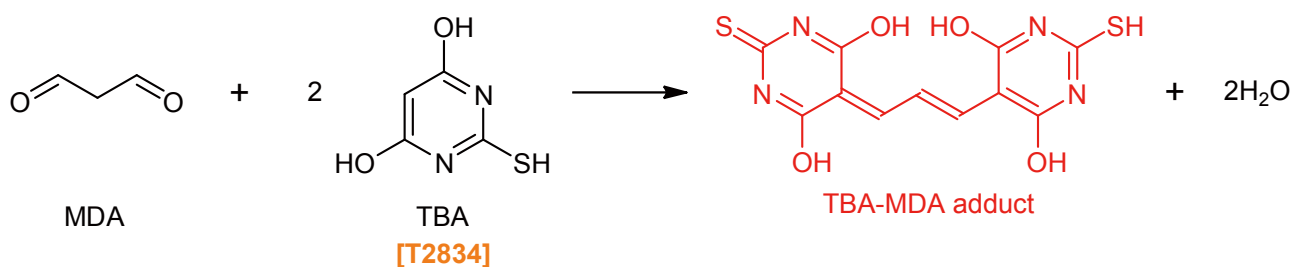


# Lipid Peroxide Measurement Reagents

for TBA-MDA method

When unsaturated fatty acids are oxidized *in vivo*, malondialdehyde (MDA) is formed. 2-Thiobarbituric Acid (TBA) reacts with malondialdehyde under high temperature and acidic conditions to form a red complex, MDA-TBA adduct, with an absorbance maximum of 532 nm.

## Reaction Example



### References

- M. A. Ramirez, D. M. Spillman, *Food Sci.* **1987**, 52, 500.  
 S. P. A. Goss, N. Hogg, B. Kalyanaraman, *J. Biol. Chem.* **1997**, 272, 21647.  
 P. Hasani, N. Yasa, S. Vosough-Ghanbari, A. Mohammadirad, G. Dehghan, M. Abdollahi, *Acta Pharm.* **2007**, 57, 123.

## 2-Thiobarbituric Acid [for Biochemical Research]

5g [T2834]

### Related Product

## Malonaldehyde Bis(dimethyl Acetal) [for Biochemical Research]

5g [T2833]

\*T2833 can be used as an equivalent of malondialdehyde (MDA).

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).



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