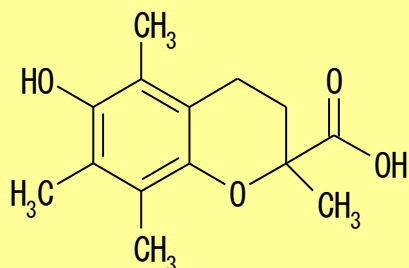


Trolox

Cat.# BLK1020

**Structure**



**Origin:** Synthetic

**CAS Registry Number:** 53188-07-1

**CA Index Name:**

**Appearance:** white solid

**Molecular Formula/ Weight:** C<sub>14</sub>H<sub>18</sub>O<sub>4</sub>=250.29

**Melting Point:** 194-195°C **Purity:** >95.0% by HPLC

**Solubility:** Sol. in 1mg/ml ethanol, methanol, water

**pKa:**

**log P:**

**Background Information:**

Trolox is derived from a water-soluble tocopherol (vitamin E). It shows antioxidant activity by quenching free radicals.

**Handling and Storage:**

Store at -20°C.

**References:**

1. Biochem J. 1988 Oct 15;255(2):513-22.
2. Free Radic Res. 1997 Jan;26(1):37-47.
3. Free Radic Biol Med. 1999 May;26(9-10):1231-7.
4. J Food Sci. 2009 Aug;74(6):C449-55.
5. J Toxicol Environ Health A. 2009;72(24):1567-75.
6. Toxicology. 2010 Sep 30;276(1):73-8. Epub 2010 Jul 15.