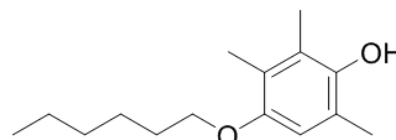


**Product Name** : HTHQ  
**Cat. No.** : PC-42253  
**CAS No.** : 148081-72-5  
**Molecular Formula** : C<sub>15</sub>H<sub>24</sub>O<sub>2</sub>  
**Molecular Weight** : 236.3499  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

HTHQ is a potent **anti-oxidative** agent that effectively scavenges t-butyl peroxy radicals with IC<sub>50</sub> of 0.31 mM (ROS inhibition).

HTHQ exerts chemopreventive effects against heterocyclic amine (HCA)-induced hepatocarcinogenesis.

HTHQ exhibits 4.8-fold higher anti-lipid-peroxidation activity than that of D,L-α-tocopherol, scavenges the lipid peroxides Fe<sup>3+</sup> -ADP-induced lipid peroxidation in rat liver microsomes.

### References

Hirose M, et al. *Jpn J Cancer Res.* 1993 May;84(5):481-4.

Hirose M, et al. *Carcinogenesis.* 1995 Dec;16(12):3049-55.

An J, et al. *Hepatol Res.* 2010 Jun;40(6):613-21.

Hino T, et al. *Biochim Biophys Acta.* 1998 Sep 16;1425(1):47-60.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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