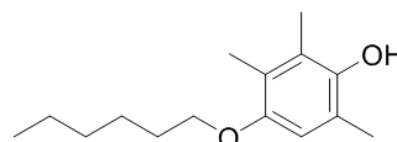


**Product Name** : HTHQ  
**Cat. No.** : PC-42253  
**CAS No.** : 148081-72-5  
**Molecular Formula** : C<sub>15</sub>H<sub>24</sub>O<sub>2</sub>  
**Molecular Weight** : 236.3499  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO

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



## Biological Activity

A potent anti-oxidative agent that effectively scavenges t-butyl peroxy radicals with IC<sub>50</sub> of 0.31 mM (ROS inhibition); exerts chemopreventive effects against heterocyclic amine (HCA)-induced hepatocarcinogenesis; exhibits 4.8-fold higher anti-lipid-peroxidation activity than that of D,L-alpha-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.

