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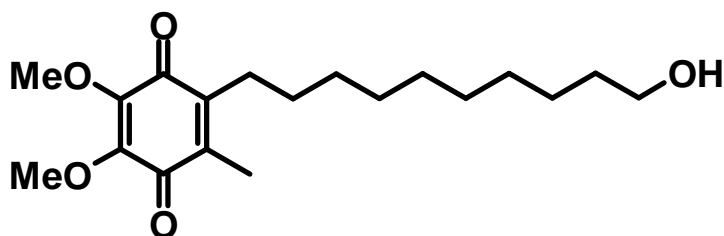
## Product Specifications

### Idebenone

**CAS** 58186-27-9

**Syn:** 2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-2,5-cyclohexadiene-1,4-dione;6-(10-Hydroxydecyl)-2,3-dimethoxy-5-methyl-1,4-benzoquinone; 2,3-Dimethoxy-5-methyl-6-(10'-hydroxydecyl)-1,4-benzoquinone; 6-(10-Hydroxydecyl)ubiquinone

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>19</sub>H<sub>30</sub>O<sub>5</sub>**  
*Synthetic*

**Mol. Wt.**

338.44

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<i>Test</i>	<i>Specification</i>
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<b>Identity</b>	Infrared
<b>Appearance</b>	Yellow-orange, microcryst., odorless solid
<b>Mp</b>	52-55 °C
<b>Assay (hplc)</b>	> 98.5 %
<b>LOD</b>	< 0.5%
<b>Ash (residue on ignition)</b>	< 0.2%
<b>Heavy metals</b>	< 10 ppm
<b>Microbiological</b>	
Total Plate Count	100 CFU/gm max.
Yeast & Mold	100 CFU/gm max.
<i>Salmonella</i>	Negative
<i>E. Coli</i>	Negative

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**Storage:** Maintain in cool, dry containment.