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Catalog	Unit
TBI2678-1G	1 g

### Product Details

**Formal Name:** 4,4'-(2,3-Dimethyl-1,4-butanediyl)bis[1,2-benzenediol]

**Alternate Names:** Nordihydroguaiaretic acid

**Molecular Formula:** C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>

**Formula Weight:** 302.4

**CAS Number:** 500-38-9

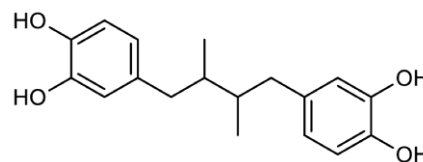
**Purity:** >97%

**Formulation:** Powder

**Solubility:** dissolved in ethanol (50 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 4 years.



### Applications

Antioxidant

### Functions

Inhibits lipoxygenases (IC<sub>50</sub>=0.2, 30 and 30 μM for 5-, 12- and 15-LO respectively) selectively over cyclooxygenase (IC<sub>50</sub>=100 μM). Inhibits rat epidermal and hepatic microsomal cytochrome P-450 (ID<sub>50</sub>=40 μM).

### Application Procedures

First dissolved in ethanol (50 mg/ml), then diluted to aqueous buffer. Solutions in ethanol may be stored at -20°C for up to 1 week.

**For research use only.**