



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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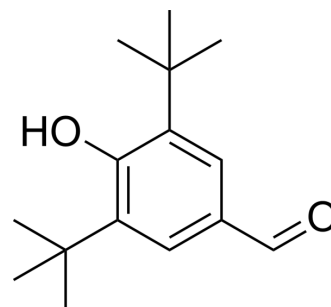
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## 3,5-Di-tert-butyl-4-hydroxybenzaldehyde

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Cat. No.:          | HY-W012187                                                             |
| CAS No.:           | 1620-98-0                                                              |
| Molecular Formula: | C <sub>15</sub> H <sub>22</sub> O <sub>2</sub>                         |
| Molecular Weight:  | 234.33                                                                 |
| Target:            | Drug Metabolite                                                        |
| Pathway:           | Metabolic Enzyme/Protease                                              |
| Storage:           | 4°C, stored under nitrogen                                             |
|                    | * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 33.33 mg/mL (142.24 mM; ultrasonic and warming and heat to 60°C)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 4.2675 mL | 21.3374 mL | 42.6749 mL |
|                              | 5 mM                     |      | 0.8535 mL | 4.2675 mL  | 8.5350 mL  |
|                              | 10 mM                    |      | 0.4267 mL | 2.1337 mL  | 4.2675 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

3,5-Di-tert-butyl-4-hydroxybenzaldehyde (BHT-CHO) is a metabolite of Butylated hydroxytoluene (HY-Y0172) [1].

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### REFERENCES

[1]. Yongxiu Hao, et al. Synthetic Phenolic Antioxidants and Their Metabolites in Follicular Fluid and Association with Diminished Ovarian Reserve: A Case-Control Study. Environ Health Perspect. 2023 Jun;131(6):67005.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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