



# 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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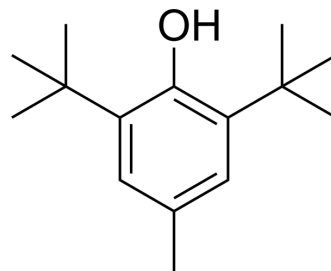
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## Butylated hydroxytoluene (Standard)

<b>Cat. No.:</b>	HY-Y0172R
<b>CAS No.:</b>	128-37-0
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>24</sub> O
<b>Molecular Weight:</b>	220.35
<b>Target:</b>	Ferroptosis; Endogenous Metabolite
<b>Pathway:</b>	Apoptosis; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (453.82 mM; Need ultrasonic)  
 H<sub>2</sub>O : 1 mg/mL (4.54 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.5382 mL	22.6912 mL	45.3823 mL
	5 mM		0.9076 mL	4.5382 mL	9.0765 mL
	10 mM		0.4538 mL	2.2691 mL	4.5382 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Butylated hydroxytoluene (Standard) is the analytical standard of Butylated hydroxytoluene. This product is intended for research and analytical applications. Butylated hydroxytoluene is an antioxidant widely used in foods and in food-related products<sup>[1]</sup>. Butylated hydroxytoluene is a Ferroptosis inhibitor<sup>[2]</sup>.

### REFERENCES

- [1]. Babich H, et al. Butylated hydroxytoluene (BHT): a review. *Environ Res.* 1982 Oct;29(1):1-29.
- [2]. Umemura T, et al. Butylhydroxytoluene (BHT) increases susceptibility of transgenic rasH2 mice to lung carcinogenesis. *J Cancer Res Clin Oncol.* 2001 Oct;127(10):583-90.
- [3]. Stockwell BR, et al. Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. *ell.* 2017 Oct 5;171(2):273-285.

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

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