



# 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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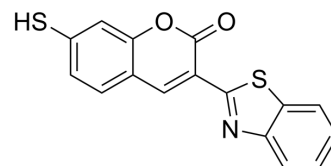
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## 3-HTC

Cat. No.:	HY-D2041
CAS No.:	1356543-39-9
Molecular Formula:	C <sub>16</sub> H <sub>9</sub> NO <sub>2</sub> S <sub>2</sub>
Molecular Weight:	311.38
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

3-HTC is a chemical fluorescent probe. 3-HTC reacts reversibly with thiols and disulfides, and can be used to measure dynamic GSH/GSSH ratios in vitro as well as to monitor the reversible redox status of whole cell lysates ( $\lambda_{\text{max}}$ : 448 nm in its reduced thiolate form, and a  $\lambda_{\text{max}}$  370-410 nm for the oxidized mixed disulfide)<sup>[1]</sup>.

## REFERENCES

[1]. Reddie KG, et al. Fluorescent coumarin thiols measure biological redox couples. *Org Lett.* 2012 Feb 3;14(3):680-3.

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

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