



# 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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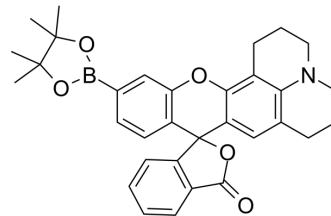
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## Peroxy Orange 1

<b>Cat. No.:</b>	HY-103469
<b>CAS No.:</b>	1199576-10-7
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>32</sub> BNO <sub>5</sub>
<b>Molecular Weight:</b>	521.41
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Peroxy Orange 1 (PO1) is a new H<sub>2</sub>O<sub>2</sub> specific probe that can bind to green fluorescent highly reactive oxygen species (hROS) probe APF. Peroxy Orange 1 is also a living cell dye<sup>[1][2]</sup>.

### REFERENCES

[1]. Dickinson BC, et al. A palette of fluorescent probes with varying emission colors for imaging hydrogen peroxide signaling in living cells. *J Am Chem Soc.* 2010 Apr 28;132(16):5906-15.

[2]. Moloney JN, et al. Subcellular localization of the FLT3-ITD oncogene plays a significant role in the production of NOX- and p22phox-derived reactive oxygen species in acute myeloid leukemia. *Leuk Res.* 2017 Jan;52:34-42.

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

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