



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

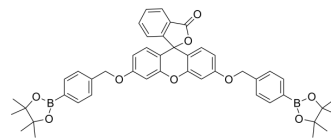
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

FBBBE

Cat. No.:	HY-D1693
CAS No.:	1522117-83-4
Molecular Formula:	C ₄₆ H ₄₆ B ₂ O ₉
Molecular Weight:	764.47
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FBBBE is used to detect the production of H ₂ O ₂ by cells. FBBBE can be triggered by intracellular H ₂ O ₂ and converted to fluorescein, resulting in an increase in intracellular fluorescence (Ex=4480 nm, Em=512 nm) ^[1] .
IC₅₀ & Target	H ₂ O ₂ ^[1]
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs)^[1].</p> <ol style="list-style-type: none"> 1. The RAW 264.7 cells are seeded at 250,000 in glass bottom 35 mm dishes and post-adhering (5 h). 2. Some dishes are treated with 1 µg/mL of LPS for 24 h. Other dishes are treated the next day after plating with either 100 µM H₂O₂ for 1 h or PBS for 1 h. 3. Cells are washed twice with PBS and fixed in ice-cold 95% ethanol for 15 min. 3. Cells are twice rinsed with PBS and incubated with either 50 µM probe (FBBBE) for 1 h at room temperature. 4. Cells are washed twice with PBS and coverslips were mounted over cells using Aqua Mount. 5. Confocal images are obtained at 80× magnification on an Olympus FV1000 confocal laser scanning microscope. 6. Images were processed using ImageJ software. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Daniel, K.B., et al. Readily accessible fluorescent probes for sensitive biological imaging of hydrogen peroxide. *Chembiochem* 14(5), 593-598 (2013).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA