

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 in





Product Data Sheet

Fluo-3FF AM

 Cat. No.:
 HY-D1755

 CAS No.:
 348079-13-0

 Molecular Formula:
 $C_{50}H_{46}Cl_{2}F_{2}N_{2}O_{23}$

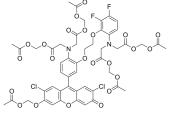
Molecular Weight: 1151.8

Target: Fluorescent Dye

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.



BIOLOGICAL ACTIVITY

Fluo-3FF AM is a low affinity (Kd = 42 μM) fluorescent Ca²⁺ sensitive indicator (Abs/Em = 462 nm/526 nm). Fluo-3FF AM is Mg

2+ insensitive and relatively photostable. Fluo-3FF AM is an analog of Fluo-3FF AM. Fluo-3FF AM is essentially non-fluorescent, but exhibits a strong fluorescence enhancement upon entry into cells and binding to calcium.

[1]

In Vitro 1. Preparation of Fluo-3FF AM working solution

1.1 Preparation of storage solution

Fluo-3FF AM was diluted with a 0.025% (w/v) solution of Pluronic F-127/DMSO to make a 1 mM stock solution. Note: Fluo-3FF AM stock solution is recommended to be stored in the dark at -20°C or -80°C after aliquoting.

1.2 Preparation of working solution

Prepare a 5 μM Fluo-3FF AM working solution with equilibration buffer.

Note: Please adjust the concentration of Fluo-3FF AM working solution according to the actual situation, and prepare it immediately after use.

- 2. Cell staining 2.1 Adherent cells were cultured on sterile cover slips.
- 2.2 Remove the cover slip from the medium and remove excess medium by suction.
- $2.3\,\text{At}\,37^\circ\text{C}$, $100\,\mu\text{L}$ of dye working solution was added and gently shaken to completely cover the cells and incubated for 60 minutes.
- 2.4 Aspirated the dye working solution, then washed in PSS at 4\D for 60 minutes.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gordienko DV, et al. Regulation of muscarinic cationic current in myocytes from guinea-pig ileum by intracellular Ca2+ release: a central role of inositol 1,4,5-trisphosphate receptors. Cell Calcium. 2004 Nov;36(5):367-86.

[2]. Young RC, et al. Focal sarcoplasmic reticulum calcium stores and diffuse inositol 1,4,5-trisphosphate and ryanodine receptors in human myometrium. Cell Calcium. 1999 Jul-Aug;26(1-2):69-75.

 $\label{lem:caution:Product} \textbf{Caution: Product has not been fully validated for medical applications. For research use only.}$

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

Page 2 of 2 www.MedChemExpress.com