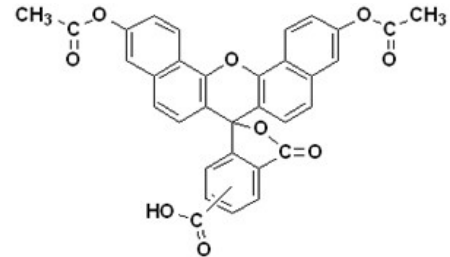


CNFDA

Product Description

| | |
|--|--|
| Name : | 5(6)-Carboxynaphthofluorescein diacetate |
| Catalog Number : | FP-M1964A 25mg |
| Structure : | C ₃₃ H ₂₀ O ₉ |
| Molecular Weight : | MW= 560,52 |
| Solubility: | DMSO, DMF, Acetonitrile and Chloroform |
| Absorption / Emission : | $\lambda_{exc}/\lambda_{em}$ (pH >9) = 598/668nm |
| EC (M⁻¹ cm⁻¹) : | 11 000 |



Storage: -20°C Protect from light and moisture

Introduction

This product is a fluorogenic substrate for esterases which is cleaved by intracellular esterases to yield red-fluorescent.

Carboxynaphthofluorescein is the only long-wavelength tracer of this type that can be passively loaded into live cells.

Directions for use

Guidelines for use

On-Chip Staining Protocol (Buhlmann, 2003)

- For measurement of transfection efficiency, add 4 μ L of a 1:30 dilution of CNFDA (final CNFDA-concentration in the sample well = 10 μ M) to each sample well.
- Vortex the chip for 1 min on an vortexer at ~1000 rpm
- Incubate in the dark for 25 min (antibody staining) or 15 min (transfection efficiency) at room temperature.
- After the incubation, vortex again the chip for 1 min and run on the 2100 bioanalyzer.

Other protocol may be found in the literature.

References

- **Buhlmann C, et al.** A new tool for routine testing of cellular protein expression: integration of cell staining and analysis of protein expression on a microfluidic chip-based system." *J Biomol Tech* 14, 119-27 (2003) [Article](#)
- **Tauskela J. et al.**, Cross-tolerance to otherwise lethal N-methyl-D-aspartate and oxygen-glucose deprivation in preconditioned cortical cultures, *Neuroscience*, Volume 107, Issue 4:571-584 (2001) [Abstract](#)

FT-M1964A

Related products

- CNFDA, SE, FP-403861
- CNF, SE, FP-98811A
- H2DCFDA-SE, FP-59031A

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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