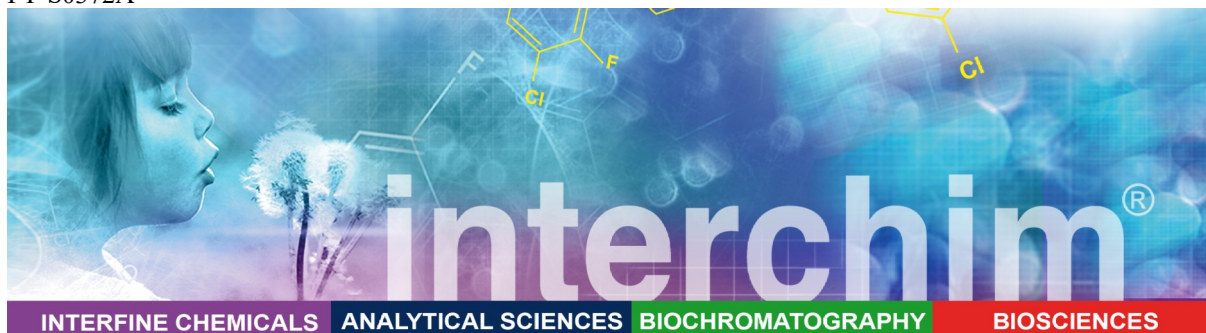


FT-S0372A



INTERFINE CHEMICALS

ANALYTICAL SCIENCES

BIOCHROMATOGRAPHY

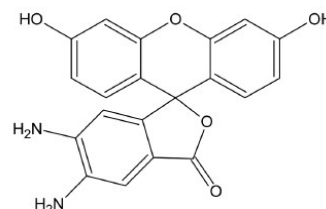
BIOSCIENCES

DAF-2

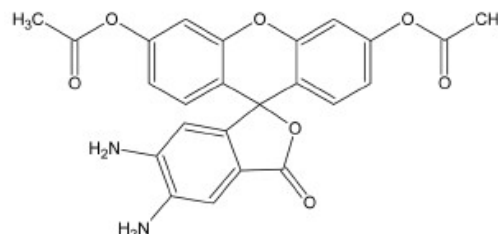
Highly sensitive reagent for NO detection and determination of nitric oxide synthase activity

Products Description

Catalog Number :	5,6-Diaminofluorescein (DAF-2) FP-F9657A 1 mg
Structure :	CAS [205391-01-1]
Molecular Weight :	MW= 362.34
Solubility:	DMSO
Absorption / Emission :	$\lambda_{exc} \backslash \lambda_{em}$ (0,1M Tris pH 8,0) = 505/518nm
EC (M⁻¹ cm⁻¹) :	4 900 (diamine)



Name :	DAF-2 DA 5,6-Diaminofluorescein diacetate
Catalog Number :	FP-S0372A 1 mg
Structure :	CAS [205391-02-2]
Molecular Weight :	MW= 446.41
Solubility:	DMSO
Absorption / Emission :	$\lambda_{exc} \backslash \lambda_{em}$ (0,1M Tris pH 8,0) = 491/513nm



Storage: -20°C Protect from light and moisture

Introduction

DAF-2 (4,5-diaminofluorescein) is a highly sensitive reagent for NO detection and determination of nitric oxide synthase activity, probably the most successful indicator. DAF2, however, remains essentially non-fluorescent until it reacts with the nitrosonium cation (produced by spontaneous oxidation of nitric oxide) to form a fluorescent heterocycle, which becomes trapped in the cell's cytoplasm. This sensitive fluorescent probe has been used to identify individual nitric oxide-producing neurons in brain slices, in mitochondria and in living plant cells.

DAF-2 diacetate is membrane permeant and is deacetylated by intracellular esterases to DAF2. Can be used for the fluorimetric detection of nitric oxide and in fluorescence microscopy to measure real-time changes in nitric oxide levels *in vivo*.

Directions for use

Guidelines for use

Protocol may be found in the literature.

References

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Technical and scientific information

Related products

- SNAP, [FP-71646A](#)
- Sodium Nitroprusside, XD5450
- PTIO, [850262](#)
- Carboxy-PTIO, [199502](#)
- DAF-2T, [FP-FL6430](#)
- DAF-FM DA, [FP-R1228A](#)
- DAR-4M AM, [FP-FL6450](#)

Ordering information

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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