

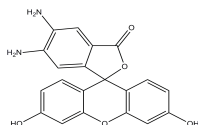
Product: EZSolution™ DAF-2

ALTERNATE NAME: 4,5-Diaminofluorescein; 2-(3,6-dihydroxy-4,5-diamino-9H-xanthen-9-yl)-benzoic acid

CATALOG #: 2752-100, 500, 1000

AMOUNT: 100 µg, 500 µg, 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₁₄N₂O₅

MOLECULAR WEIGHT: 362.34

CAS NUMBER: 205391-01-1

APPEARANCE: Liquid

FORMULATION: In DMSO (5 mM)

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: DAF-2 is a highly sensitive fluorescent indicator commonly used for the detection of nitric oxide (NO). It reacts with NO in the presence of oxygen to yield the highly fluorescent triazolofluorescein (DAF-2T). Fluorescence is monitored using excitation and emission wavelengths of 485 and 538 nM, respectively. At neutral pH the detection limit for NO is 2-5 nM. This sensitive fluorescent probe has been used to identify individual nitric oxide-producing neurons in brain slices, in mitochondria and in living plant cells.

REFERENCE: Kojima, H., *et al.* (1998). *Chem. Pharm. Bull.* **46**, 373-375.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

1400W hydrochloride (Cat. No. 2055-5, 25)

BEC (Cat. No. 2359-1, 5)

DAF-2 Diacetate (Cat. No. 2753-500, 1000)

L-NAME hydrochloride (Cat. No. 2356-100, 500, 1000)

L-NMMA acetate (Cat. No, 2348-5, 25, 100)

Nitric Oxide Colorimetric Assay Kit (Cat. No. K262-200)

Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-20)

7-Nitroindazole (Cat. No. 2360-50, 250)

FOR RESEARCH USE ONLY! Not to be used on humans.