# DAF-2

## Fluorescent probe for NO detection

Highly sensitive fluorescent probe for the real-time detection of nitric oxide (NO) *in vivo*. In the cell, the product reacts rapidly with NO in the presence of $O_2$ to form the highly fluorescent compound triazolofluorescein (DAF-2T, Ex 495nm; Em 515nm). *Not for sale in Japan.*

**Citations:** 11 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **ALX-620-052-M001** | 1mg |

## Manuals, SDS & CofA View Online »

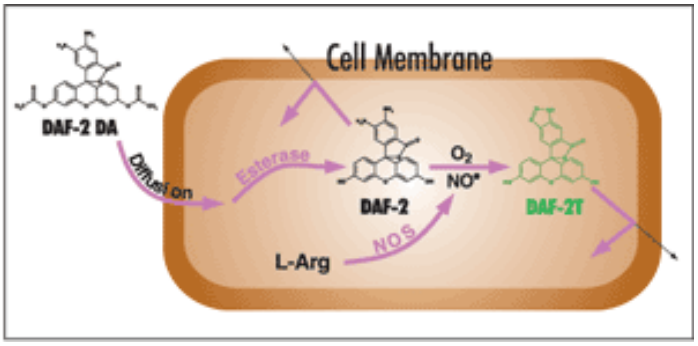
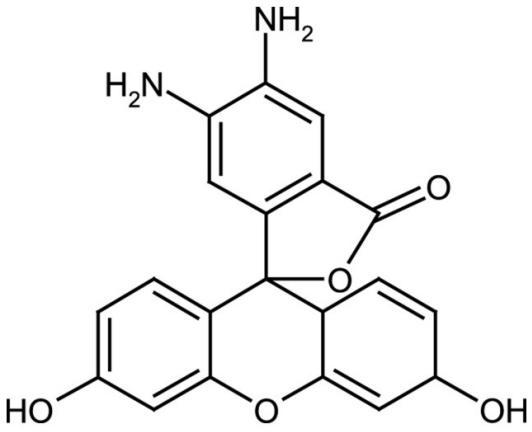



**Figure:** The cell-permeable diacetate derivative, DAF-2 DA (Prod. No. ALX-620-056), is used to load cells. Subsequent hydrolysis by cytosolic esterases releases DAF-2 (Prod. No. ALX-620-052)



## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Prepare 500-fold dilution (~10µM) in phosphate buffer (0.1M phosphate, pH 7.4) immediately before use. BSA, phenol red and amines may affect the fluorescence and must be used with caution. Do not store diluted solutions. |
| **Handling** | Protect from light. Keep under inert gas. After opening, prepare aliquots and store at -20°C. |
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | 4,5-Diaminofluorescein |
| **Appearance** | Pale yellow liquid. |
| **CAS** | 205391-01-1 |
| **Formula** | $C_{20}H_{16}N_2O_5$ |
| **Formulation** | Dissolved in 0.55ml DMSO. |
| **MW** | 364.3 |
| **Purity** | ≥98% (HPLC) |

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