

Product datasheet

DAF-2 DA (DMSO solution), fluorescent nitric oxide probe ab146631

Overview

**Product name** DAF-2 DA (DMSO solution), fluorescent nitric oxide probe

**Description** Fluorescent nitric oxide probe; membrane-permeable

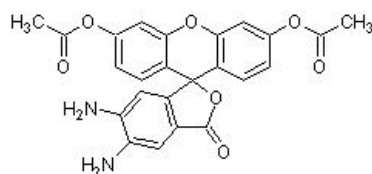
**Biological description** Fluorescent nitric oxide probe; membrane-permeable. Once inside cell it reacts with NO in the presence of oxygen to yield the highly fluorescent triazolofluorescein DAF-2T ([ab145473](#)). Determines nitric oxide synthase activity. Has a 2-5 nM detection limit at neutral pH.

Also available as a solid ([ab145283](#)).

**Purity** > 98%

**CAS Number** 205391-02-2

**Chemical structure**



Properties

**Excitation** 485nm

**Emission** 538nm

**Chemical name** (6'-Acetyloxy-5,6-diamino-3-oxospiro[2-benzofuran-1,9'-xanthene]-3'-yl) acetate

**Molecular weight** 446.41

**Molecular formula** C<sub>24</sub>H<sub>18</sub>N<sub>2</sub>O<sub>7</sub>

**PubChem identifier** 6603693

**Storage instructions** Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.

**Solubility overview** Supplied in DMSO (5 mM)

**Handling** Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

<b>SMILES</b>	<chem>CC(=O)OC1=CC2=C(C=C1)C3(C4=C(O2)C=C(C=C4)OC(=O)C)C5=CC(=C(C=C5C(=O)O3)N)N</chem>
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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