

Product datasheet

DAF-FM, Fluorescent probe for nitric oxide quantification ab145297

1 Image

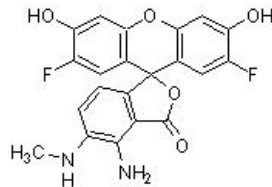
Overview

Product name	DAF-FM, Fluorescent probe for nitric oxide quantification
Description	Highly sensitive, photo-stable fluorescent probe for quantification of low concentrations of nitric oxide in solution.
Biological description	Highly sensitive, photo-stable fluorescent probe for quantification of low concentrations of nitric oxide (NO). More sensitive to nitric oxide (NO) than DAF-2 (ab145269). More photo-stable and less pH sensitive than DAF-2. Not as cell-permeable as the diacetate derivative, DAF-FM DA (ab145295), but it does not need to be activated by cytosolic enzymes. Essentially nonfluorescent until it reacts with NO to form a fluorescent benzotriazole.

Purity > 98%

CAS Number 254109-20-1

Chemical structure



Properties

Excitation	495nm
Emission	515nm
Chemical name	3-Amino-4-(N-methylamino)-2',7'-difluorofluorescein
Molecular weight	412.34
Molecular formula	C ₂₁ H ₁₄ F ₂ N ₂ O ₅
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
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

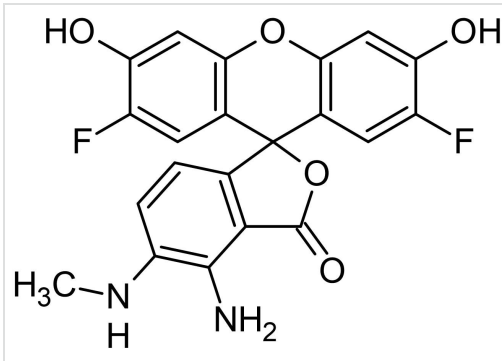
prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

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

Source

Synthetic

Images



2D chemical structure image of ab145297, DAF-FM, Fluorescent probe for nitric oxide quantification

Chemical Structure - DAF-FM, Fluorescent probe for nitric oxide quantification (ab145297)

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

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