DAR-4M

Fluorescent probe for NO detection

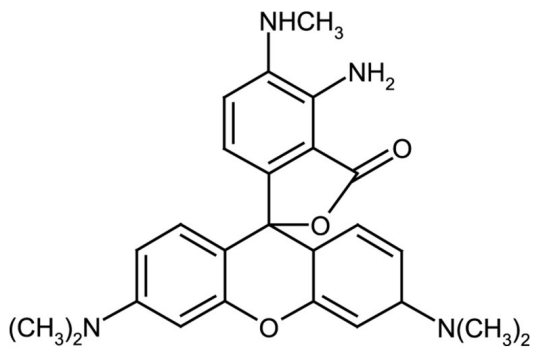
Fluorescent probe (Ex: ~560nm; Em: 575nm) for the detection of nitric oxide (NO). It can be used to detect NO directly in biopsy tissues, cultured cells, and tissue sections. Stable in a pH range of 4-12. Low decrease in fluorescence intensity over time. Detection limit 7nM. *Not for sale in Japan.*

Citations: 2 View Online »

Ordering Information Order Online »

ALX-620-067-M001	1mg

Manuals, SDS & CofA View Online »


NHCH3
NH2
O
O
(CH3)2N
O
N(CH3)2

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	Warm to room temperature before opening. 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	Diaminorhodamine-4M
Appearance	Reddish-violet liquid.
Couple Target	Nitric oxide
Couple Type	Ligand
Formula	$C_{25}H_{26}N_4O_3$
Formulation	Dissolved in 0.47ml DMSO.
MW	430.5
Purity	≥98% (HPLC)

Last modified: May 29, 2024

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