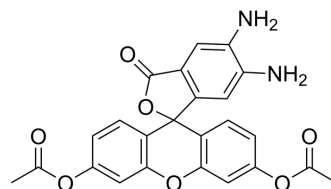


DAF-2DA

Cat. No.:	HY-D0032
CAS No.:	205391-02-2
Molecular Formula:	C ₂₄ H ₁₈ N ₂ O ₇
Molecular Weight:	446.41
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	DAF-2DA (5,6-Diaminofluorescein diacetate) is most widely probe for NO measurement.
In Vitro	Nitric oxide is a free radical signal molecule. Various methods are available for measurement of NO. Out of all methods, fluorescent probes to localize NO is very widely used method. Diaminofluorescein in diacetate form (DAF-2DA) is most widely probe for NO measurement. This method is based on application of 4,5-diaminofluorescein diacetate (DAF-2DA) which is actively diffused into cells, once taken up by cells cytoplasmic esterases cleave the acetate groups to generate 4,5-diaminofluorescein; DAF-2. The generated DAF-2 can readily react with N ₂ O ₃ , which is an oxidation product of NO to generate the highly fluorescent DAF-2T (triazolofluorescein). MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wany A, et al. Localization of Nitric Oxide in Wheat Roots by DAF Fluorescence. Methods Mol Biol. 2016;1424:39-47.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA