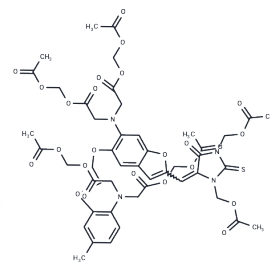


Fura Red AM

Chemical Properties

CAS No. :	218280-33-2
Formula:	C47H52N4O24S
Molecular Weight:	1088.99
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Fura Red AM, a fluorescent probe, is utilized for visualizing cytosolic [Ca(2+)] distribution in living plant tissue under an excitation wavelength of 488 nm [1].
Targets(IC50)	Others
In vitro	Fura Red AM is exclusively used for undifferentiated cells, as differentiating cells exhibit significant autofluorescence in the Fura Red channel. The stock solution of Fura Red AM is recommended to be prepared in dimethyl sulfoxide (DMSO) at a concentration of 45.91 mM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9183 mL	4.5914 mL	9.1828 mL
5 mM	0.1837 mL	0.9183 mL	1.8366 mL
10 mM	0.0918 mL	0.4591 mL	0.9183 mL
50 mM	0.0184 mL	0.0918 mL	0.1837 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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