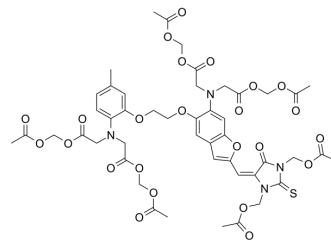


Fura Red AM

Cat. No.:	HY-D1903
CAS No.:	218280-33-2
Molecular Formula:	C ₄₇ H ₅₂ N ₄ O ₂₄ S
Molecular Weight:	1088.99
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	Fura Red AM is a fluorescent probe, used for visualisation of cytosolic [Ca(2+)] distribution in living plant tissue. Fura Red AM works under the excitation wavelength of 488 nm ^[1] .
In Vitro	Fura Red AM is only used for undifferentiated cells, while differentiating cells exhibits strong autofluorescence in Fura Red channel. The stock liquor of Fura Red AM is recommended to be prepared in dimethyl sulfoxide with an original concentration of 45.91 mM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Walczysko P, et al. Use of co-loaded Fluo-3 and Fura Red fluorescent indicators for studying the cytosolic Ca(2+) concentrations distribution in living plant tissue. Cell Calcium. 2000 Jul;28(1):23-32.

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

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