

FT-90232A

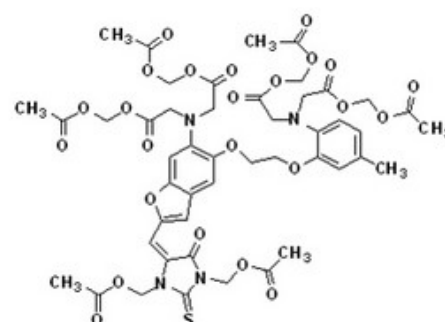


## Fura 2-TH AM

*Fluorescent Cell-Permeant, ratiometric Calcium Indicator form of Fura-2*

### Product Description

<b>Name :</b>	<b>Fura 2-TH AM</b> Ratiometric Red Calcium indicator
<b>Catalog Number :</b>	<b>FP-90232A</b> , 500µg <b>FP-90232B</b> , 10x50µg CAS [149732-62-7] Also known as Fura Red™
<b>Structure &amp; Properties:</b>	C <sub>47</sub> H <sub>52</sub> N <sub>4</sub> O <sub>24</sub> S <b>MW= 1089.00 g/mol</b> <b>Soluble</b> in DMSO <b>Absorption / Emission:</b> $\lambda_{exc} \lambda_{em} = 450, 500 / 660 \text{ nm}$
<b>Storage:</b>	-20°C Protect from light and moisture



### Introduction

Fura 2-TH AM is a visible light-excitable fura-2 analog that offers unique possibilities for ratiometric measurement of Ca<sup>2+</sup> in single cells by microphotometry, imaging or flow cytometry when used with single excitation, green-fluorescent calcium indicators. This acetoxymethyl (AM) ester form is useful for noninvasive intracellular loading.

### Guidelines for use

- Protocols may be found in the literature.

### References

- Activation of TRPM7 channels by phospholipase C-coupled receptor agonists. Langeslag M, Clark K, Moolenaar WH, van Leeuwen FN, Jalink K, J Biol Chem (2007) 282:232-239
- Monovalent ligation of the B cell receptor induces receptor activation but fails to promote antigen presentation. Kim YM, Pan JY, Korbel GA, Peperzak V, Boes M, Ploegh HL, Proc Natl Acad Sci U S A (2006) 103:3327-3332

### Related products

- FG 488 BAPTA-1 AM, FP-431791
- DiHydroRhodamine 123, FP-83775A
- Calcein, Pure Grade, FP-466251
- Fura 2-TH, K4 salt, FP-M2037A

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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