Fura-4F, AM

Product Information

- Ratiometric calcium indicator for high Ca²⁺ concentrations

<table>
<thead>
<tr>
<th>Name</th>
<th>Fura-4F, AM</th>
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<tbody>
<tr>
<td>Catalog Number</td>
<td>FP-R1237A 10 x 50 µg</td>
</tr>
<tr>
<td></td>
<td>FP-R1237B 500 µg</td>
</tr>
<tr>
<td>Structure</td>
<td>C₄₃H₄₄FN₃O₂₄</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>MW= 1005.84</td>
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<tr>
<td>Solubility</td>
<td>DMSO, DMF, EtOAc, CH₃CN, CH₂Cl₂</td>
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<tr>
<td>Absorption / Emission</td>
<td>λ&lt;sub&gt;exc&lt;/sub&gt;/&lt;λ&lt;sub&gt;em&lt;/sub&gt;(EtOAc) = 371 / 475 nm</td>
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<tr>
<td></td>
<td>λ&lt;sub&gt;exc&lt;/sub&gt;/&lt;λ&lt;sub&gt;em&lt;/sub&gt;(after hydrolysis) = 336 / 505 nm</td>
</tr>
<tr>
<td>EC (M⁻¹ cm⁻¹)</td>
<td>21000</td>
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</tbody>
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Storage: -20°C  Protect from light and moisture

Introduction

A cell membrane permeable form of Fura-2 which can be loaded into the cell where it is hydrolysed by cytosolic esterases and trapped as the active chelator. Fura-4F has a higher Kd value (0.77 µM) versus (0.14 µM) for Fura-2. Therefore it could be used as a ratiometric calcium indicator.

Directions for use

Guidelines for use

Protocol may found in the literature.

Related products

- Fura-2, AM, FP-42776C
- Fluo-3, AM, FP-78932C
- Fluo-8 NW, CJ2560
- Fura-2FF AM, FP-AM629A
- Calcium Calibration buffer kit, zero and 10mM CaEGTA (2x50ml), FP-21527A

References

FluoProbes®

FT-R1237


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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