

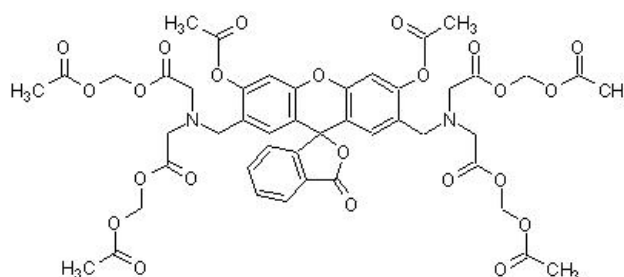
## Product datasheet

# Calcein AM, fluorescent dye for cell viability ab141420

★★★★★ [1 Abreviews](#) [14 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Calcein AM, fluorescent dye for cell viability
<b>Description</b>	Cell-permeable fluorescent dye for determining cell viability
<b>Purity</b>	> 96%
<b>CAS Number</b>	148504-34-1
<b>Chemical structure</b>	



### Properties

<b>Excitation</b>	495nm
<b>Emission</b>	515nm
<b>Chemical name</b>	<i>N,N'</i> -[[3',6'-Bis(acetyloxy)-3-oxospiro[isobenzofuran-1(3 <i>H</i> ),9'-[9 <i>H</i> ]xanthene]-2',7'-diyl]bis(methylene)]bis[ <i>N</i> -[2-[(acetyloxy)methoxy]-2-oxoethyl]-glycine 1,1'-bis[(acetyloxy)methyl] ester
<b>Molecular weight</b>	994.87
<b>Molecular formula</b>	C <sub>46</sub> H <sub>46</sub> N <sub>2</sub> O <sub>23</sub>
<b>PubChem identifier</b>	390986
<b>Storage instructions</b>	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions.
<b>Solubility overview</b>	Soluble in DMSO
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

For more information on AM esters please visit our [AM esters FAQ page](#).

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

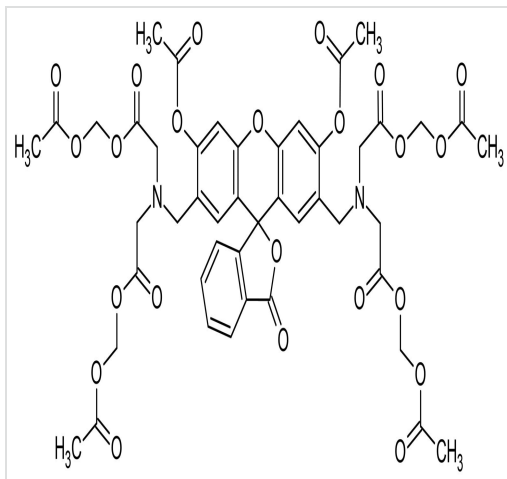
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## Source

Synthetic

## Images



2D chemical structure image of ab141420, Calcein AM, fluorescent dye for cell viability

Chemical Structure - Calcein AM, fluorescent dye for cell viability (ab141420)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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