

# Calcein AM

Catalog # U0333

Size 1 mg

## Specification

<b>Product Description</b>	Calcein AM is a cell-permeant dye that can be used to determine cell viability in most eukaryotic cells . In live cells the nonfluorescent calcein AM is converted to green-fluorescent calcein, after acetoxymethyl ester hydrolysis by intracellular esterases.
<b>Chemical Name</b>	Glycine, N,N'-[[[3',6'-bis(acetyloxy)-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-4',5'-diyl]bis(methylene)]bis[N-[2-[(acetyloxy)methoxy]-2-oxoethyl]-, bis[(acetyloxy)methyl] ester
<b>Chemical Formula</b>	C <sub>46</sub> H <sub>46</sub> N <sub>2</sub> O <sub>23</sub>
<b>MW</b>	994.87
<b>Detection Method</b>	Fluorescent
<b>Excitation (nm)</b>	490
<b>Emission (nm)</b>	515
<b>Solubility</b>	DMSO
<b>Sub-Cellular Localization</b>	Cytoplasm
<b>Cell Permeability</b>	Cell-permeant
<b>Regulation Status</b>	For Research Use Only (RUO)
<b>Storage Instruction</b>	Store at -20°C or lower and protect from light.

## Applications

- Cell Staining