

Certificate of Analysis

www.tocris.com

Product Name: ChromaLIVE™ Non-Toxic Dye

Catalog No.: 8934

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance:	Orange solution
Solubility:	Soluble in DMSO (supplied pre-dissolved in DMSO, 1000x)
Storage:	Store at -20°C

2. ANALYTICAL DATA

HPLC:	Shows 99.7% purity
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: ChromaLIVE™ Non-Toxic Dye

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Description:

ChromaLIVE™ Non-Toxic Dye is a ready-to-use fluorescent probe for long term high content phenotypic screening of live cells. It allows live cell phenotypic imaging with a single dye enabling multi-organelle phenotypic readout to accurately differentiate cellular phenotypes stress and cell death pathways. Excitation and emission maxima (λ) are 488 nM and 561 nM, respectively. ChromaLIVE™ Non-Toxic Dye is provided as 10 μ L of 1000x concentrate in DMSO. Please refer to this protocol for further information on how to use this product. ChromaLIVE™ Non-Toxic Dye is a registered trademark of Saguaro Biosciences. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

Physical Appearance: Orange solution

Minimum Purity: $\geq 90\%$

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

Soluble in DMSO (supplied pre-dissolved in DMSO, 1000x)

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a $45-60^{\circ}\text{C}$ water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold under license from Saguaro Biosciences

References:

Sivagurunathan et al (2025) Alternate dyes for image-based profiling assays. SLAS Discov.. PMID: 40885286.

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