

## Certificate of Analysis

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**Product Name:** ChromaLIVE™ Non-Toxic Dye

**Catalog No.:** 8934

**Batch No.:** 2

### 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 99.9% purity

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** ChromaLIVE™ Non-Toxic Dye**Catalog No.:** 8934**Batch No.:** 2**Description:**

ChromaLIVE™ Non-Toxic Dye is a ready-to-use fluorescent probe for long term high content phenotypic screening of live-cells. Optimised for live cell painting and morphological profiling in 2D monolayers, 3D spheroids or organoids, the dye provides multi organelle read out for unbiased classification of cell states such as proliferation, stress responses, autophagy, apoptosis or other phenotypic transitions. Excitation and emission maxima (λ) are 488 nM and 561 nM, respectively. ChromaLIVE™ Non-Toxic Dye is provided as 10 µL of 1000x concentrate in DMSO and is compatible with high-throughput and high-content screening wor... Please see product specific page on [www.tocris.com](http://www.tocris.com) for full description.

**Physical and Chemical Properties:**

Physical Appearance: Orange solution

**Minimum Purity:** ≥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°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 Saguario Biosciences

**References:**

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

**Cottet (2023)** Live cell painting: new nontoxic dye to probe cell physiology in high content screening. *SLAS Discov.* **S2472** S2472. PMID: 39492484.

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