

## Certificate of Analysis

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**Product Name:** F 127 (20% solution in DMSO)

**Catalog No.:** 6253

**Batch No.:** 7

CAS Number: 9003-11-6

### 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Appearance:</b>	Colourless liquid
<b>Solubility:</b>	Soluble in DMSO (supplied pre-dissolved in DMSO (20%w/v))
<b>Storage:</b>	Store at RT

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

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**Product Name:** F 127 (20% solution in DMSO)

**Catalog No.:** 6253

7

CAS Number: 9003-11-6

**Description:**

F 127 (20% solution in DMSO) is a nonionic detergent used to solubilize large dye molecules and in particular AM esters including BAPTA AM (Cat. No. 2787), and FURA AM (Cat. No. 2220) and ci-IP3/PM (Cat. No. 6210). Pluronic is a registered trademark of BASF

**Physical and Chemical Properties:**

Physical Appearance: Colourless liquid

**Storage:** Store at RT

**Solubility & Usage Info:**

Soluble in DMSO (supplied pre-dissolved in DMSO (20%w/v)  
This product is a non-ionic, surfactant polyol (Approx. MW: 12,500/mol). This product is sold as a 20% solution in anhydrous DMSO. Do not refrigerate or freeze, as Pluronic F 127 may come out of solution. If it does, please warm to 40°C until it goes back into solution.

**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.

**References:**

**Drummond et al** (1987) Depletion of intracellular calcium stores by calcium ionophore A23187 induces the genes for glucose-regulated proteins in hamster fibroblasts. *J.Biol.Chem.* **262** 12801. PMID: 3691669.

**Poenie et al** (1986) Calcium rises abruptly and briefly throughout the cell at the onset of anaphase. *Science* **233** 886. PMID: 3755550.

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